STANDARD
No.
151
DIARY

/50

THE STANDARD DIARY

PUBLISHED FOR THE TRADE

FOR IDENTIFICATION.

My Name is Arthur W. Brown

My Address is Hampton Falls

N.H.

In case of accident or serious illness please notify

Warren Brown

Hampton Falls N.H.

THINGS TO BE REMEMBERED.

The make of my Bicycle is Wolff Am.

Tandem is Stearns

Its number is 43,397

The number on the case of my Watch is 4812

The number of the works is 1,218050

26300 A
58547 m.

The number of my Bank Book is 37,746 N.

My Weight was 168 lbs.

On March 18 1899

and my Height 5 feet 9 inches

Size of my Hat 7 1/8 Gloves

" Hosiery Collar 15 1/2

" Cuffs 11 Shoes 8

" Shirt 15 Drawers

CALENDAR.

1899.

JAN.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	..	..	..	..	1
	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	..	..	..	..

FEB.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	..	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	..	..	..	..

MAR.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	..	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	..

APRIL.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	..	..	..	..	..	..

MAY.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	..	..	..

JUNE.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	..	..	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	..

JULY.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	..	..	..	..	..

AUG.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	..	..

SEPT.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30

OCT.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	..	..	..	..

NOV.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	..	..	..	..	..
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	..	..

DEC.	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31	..	..	..	..	..	..

WEIGHTS AND MEASURES.

MEASURE OF LENGTH.

4	In.	make 1 Hand.	3	Feet	make 1 Yard.
7.92	In.	" 1 Link.	5½	Yds.	" 1 Rod or Pole
18	In.	" 1 Cubit.	40	Poles	" 1 Furlong.
12	In.	" 1 Foot.	8	Fur.	" 1 Mile.
6	Ft.	" 1 Fathom.	69 1-6	Miles	make 1 Degree.

60 Geographical Miles make 1 Degree.

1760 Yards } = 1 Mile.
5280 Feet }

MEASURE OF SURFACE.

144	Square Inches	make 1	Square Foot.
9	Square Feet	" 1	Square Yard.
30¼	Square Yards	" 1	Rod, Perch or Pole.
40	Square Rods	" 1	Square Rood.
4	Square Roods	" 1	Square Acre.
10	Square Chains	" 1	Square Acre.
640	Square Acres	" 1	Square Mile.

Gunter's Chain equal to 22 Yards or 100 Links.
272¼ Square Feet make 1 Square Rod.
43,560 Square Feet " 1 Acre.

MEASURE OF SOLIDITY.

1728 Cubic Inches make 1 Cubic Foot.
27 Cubic Feet " 1 Cubic Yard.

AVOIRDUPOIS WEIGHT.

27 11/32	Grains	make 1	Drachm (dr.)	or 27 11/32	Grains.
16	Drachms	" 1	Ounce (oz.)	or 437½	"
16	Ounces	" 1	Pound (lb.)	or 7000	"
28	Pounds	" 1	Quarter (qr.)		
4	Quarters	" 1	Hundred-Weight (cwt.)		
20	Cwts.	" 1	Ton.		
2240	Pounds	" 1	Ton.		

TROY WEIGHT.

24	Grains	make 1	Pennyweight,	or 24	Grains.
20	Pennywts.	" 1	Ounce,	or 480	"
12	Ounces	" 1	Pound,	or 5760	"

APOTHECARIES' WEIGHT.

20	Grains	make 1	Scruple.	8	Drachms make 1 Ounce.
3	Scruples	" 1	Drachm.	12	Ounces " 1 Pound.

DIAMOND WEIGHT.

16 Parts make 1 Grain (4-5ths Grain Troy.)
4 Grains " 1 Carat (3 1-5th Grains Troy.)

LIQUID MEASURE.

4	Gills	make 1	Pint.	31½	Gallons make 1 Barrel.
2	Pints	" 1	Quart.	54	Gallons " 1 Hhd.
4	Quarts	" 1	Gallon.	252	Gallons " 1 Tun.

DRY MEASURE.

8	Quarts	make 1	Peck.	8	Bushels make 1 Quarter.
4	Pecks	" 1	Bushel.	36	Bushels " 1 Chaldron.

1 Bushel equal to 2150.42 cubic inches.

WEIGHT PER BUSHEL OF GRAIN, ETC.

The following Table shows the number of pounds per bushel required, by law or custom, in the sale of articles specified, in the several States of the Union.

States.	Barley.	Buckwheat.	Coal.	Corn, shel'd	Corn Meal.	Onions.	Oats.	Potatoes.	Rye.	Wheat.	Salt.	Turnips.	Beans, wh.	Clover S'd.	Timothy.
Maine	48	48	..	56	50	52	30	60	..	60	..	50	64	..	..
N. Hampshire.	..	..	..	56	50	..	30	60	56	60	..	..	60	..	..
Vermont	48	48	..	..	..	..	32	60	56	60	70	..	64	60	42
Massachusetts.	48	48	..	56	50	52	32	60	56	60	..	..	..	..	..
Connecticut	..	45	..	56	..	..	32	60	56	56	..	..	..	..	..
New York	48	48	..	58	..	..	32	60	56	60	..	..	62	60	44
New Jersey	48	50	..	56	..	..	30	60	56	60	..	..	..	64	..
Pennsylvania	47	48	..	56	..	..	30	56	56	60	85	..	..	62	..
Delaware	..	..	..	56	..	..	..	..	..	60	..	..	..	..	..
Maryland	48	48	..	56	..	57	32	60	56	60	56	..	62	64	45
Dist. Columbia	47	48	..	56	48	57	32	56	56	60	50	55	62	60	45
Virginia	48	48	..	56	50	..	32	60	56	60	..	56	60	64	45
West Virginia.	48	52	80	56	48	..	32	60	56	60	..	60	60	60	45
North Carolina	48	50	..	54	46	..	30	..	56	60	..	..	..	64	..
South Carolina	48	56	80	56	50	57	33	60	56	60	50	..	60	60	..
Georgia	40	..	80	56	48	57	35	56	..	60	56	..	..	60	45
Louisiana	32	..	..	56	..	..	32	..	..	60	..	..	..	..	..
Arkansas	48	52	80	56	50	57	32	60	56	60	50	..	60	60	45
Tennessee	48	50	..	56	50	56	32	60	56	60	..	..	60	..	45
Kentucky	48	52	..	56	50	57	33	56	56	60	50	..	60	60	45
Ohio	48	50	..	56	..	..	32	60	56	60	..	..	60	60	45
Michigan	48	48	80	56	..	54	32	60	56	60	56	58	60	60	45
Indiana	48	50	70	56	50	48	32	60	56	60	50	..	60	60	..
Illinois	48	52	..	56	48	57	32	60	56	60	50	..	60	60	..
Wisconsin	48	50	..	56	..	..	32	60	56	60	..	..	..	60	..
Minnesota	48	42	..	56	..	..	32	60	56	60	..	..	..	60	..
Iowa	48	52	..	56	..	57	33	60	56	60	50	..	60	60	45
Missouri	48	52	..	56	..	57	32	60	56	60	50	..	60	60	45
Kansas	50	50	..	56	50	57	32	60	56	60	50	55	60	..	45
Nebraska	48	52	..	56	50	57	34	60	56	60	50	55	60	60	45
California	50	40	..	52	..	..	32	..	54	60	..	..	..	..	..
Oregon	46	42	..	56	..	..	36	60	56	60	..	..	60	..	..

INTEREST TABLE.

FOUR PER CENT.

TIME.	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	11
3 "	0	0	0	0	0	0	0	0	0	½	3½	33
5 "	0	0	0	0	0	0	0	½	½	½	5½	56
10 "	0	0	0	½	½	½	1	1	1	1	11	1 11
1 Mo.	0	½	1	1½	1½	2	2½	2½	3	3½	33	3 33
2 "	½	1½	2	2½	3½	4	4½	5½	6	6½	67	6 67
3 "	1	2	3	4	5	6	7	8	9	10	1 00	10 00
4 "	1½	2½	4	5½	6½	8	9½	10½	12	13½	1 33	13 33
5 "	1½	3½	5	6½	8½	10	11½	13½	15	16½	1 67	16 67
6 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
7 "	2½	4½	7	9½	11½	14	16½	18½	21	23½	2 33	23 33
8 "	2½	5½	8	10½	13½	16	18½	21½	24	26½	2 67	26 67
9 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
10 "	3½	6½	10	13½	16½	20	23½	26½	30	33½	3 33	33 33
11 "	3½	7½	11	14½	18½	22	25½	29½	33	36½	3 67	36 67
1 Yr.	4	8	12	16	20	24	28	32	36	40	4 00	40 00

FIVE PER CENT.

TIME.	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	14
3 "	0	0	0	0	0	0	0	0	0	0	4	42
5 "	0	0	0	0	0	0	0	1	1	1	7	69
10 "	0	0	0	½	1	1	1	1	1	1½	14	1 39
1 Mo.	½	1	1	2	2	3	3	3	4	4	42	4 17
2 "	1	1½	3	3	4	5	6	7	8	8	83	8 33
3 "	1	2½	4	5	6	8	9	10	11	13	1 25	12 50
4 "	1½	3	5	7	8	10	12	13	15	17	1 67	16 67
5 "	2	4	6	8	10	13	15	17	19	21	2 08	20 83
6 "	2½	5	8	10	13	15	18	20	23	25	2 50	25 00
7 "	3	6	9	12	15	18	20	23	26	29	2 92	29 17
8 "	3	7	10	13	17	20	23	27	30	33	3 33	33 33
9 "	3¾	7½	11	15	19	23	26	30	34	38	3 75	37 50
10 "	4	8	13	17	21	25	29	33	38	42	4 17	41 67
11 "	4½	9	14	18	23	28	32	37	41	46	4 58	45 83
1 Yr.	5	10	15	20	25	30	35	40	45	50	5 00	50 00

SIX PER CENT.

TIME.	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	2	17
3 "	0	0	0	0	0	0	0	0	0	1	5	50
5 "	0	0	0	0	0	½	1	1	1	1	8	83
10 "	0	0	1	1	1	1	1	1	2	2	17	1 67
1 Mo.	½	1	2	2	3	3	4	4	5	5	50	5 00
2 "	1	2	3	4	5	6	7	8	9	10	1 00	10 00
3 "	1½	3	5	6	8	9	11	12	14	15	1 50	15 00
4 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
5 "	2½	5	8	10	13	15	18	20	23	25	2 50	25 00
6 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
7 "	3½	7	11	14	18	21	25	28	32	35	3 50	35 00
8 "	4	8	12	16	20	24	28	32	36	40	4 00	40 00
9 "	4½	9	14	18	23	27	32	36	41	45	4 50	45 00
10 "	5	10	15	20	25	30	35	40	45	50	5 00	50 00
11 "	5½	11	17	22	28	33	39	44	50	55	5 50	55 00
1 Yr.	6	12	18	24	30	36	42	48	54	60	6 00	60 00

RATE OF INCOME ON STOCKS.

Purchased at the following prices, (par value being $100), and bearing interest at the following rates.

Paid.	3%	4%	5%	6%	7%	8%	9%
$50	6 00	8 00	10 00	12 00	14 00	16 00	18 00
55	5 45	7 27	9 09	10 90	12 72	14 55	16 36
60	5 00	6 67	8 33	10 00	11 66	13 33	15 00
65	4 62	6 15	7 69	9 23	10 76	12 30	13 85
70	4 28	5 71	7 14	8 57	10 00	11 42	12 85
75	4 00	5 33	6 66	8 00	9 33	10 66	12 00
80	3 75	5 00	6 25	7 50	8 75	10 00	11 25
85	3 53	4 70	5 88	7 05	8 23	9 41	10 58
90	3 33	4 44	5 55	6 66	7 77	8 88	10 00
91	3 30	4 40	5 49	6 59	7 69	8 79	9 89
92	3 26	4 34	5 43	6 52	7 60	8 70	9 78
93	3 23	4 30	5 38	6 45	7 53	8 60	9 68
94	3 19	4 26	5 32	6 38	7 45	8 51	9 57
95	3 15	4 21	5 26	6 31	7 36	8 42	9 47
96	3 13	4 17	5 21	6 25	7 29	8 33	9 38
97	3 09	4 12	5 15	6 18	7 22	8 25	9 28
98	3 06	4 08	5 10	6 12	7 14	8 16	9 18
99	3 03	4 04	5 05	6 06	7 07	8 08	9 09
101	2 97	3 96	4 95	5 94	6 93	7 92	8 91
102	2 94	3 92	4 90	5 88	6 86	7 84	8 82
103	2 91	3 88	4 85	5 83	6 80	7 77	8 74
104	2 88	3 85	4 81	5 77	6 73	7 69	8 65
105	2 86	3 80	4 76	5 71	6 66	7 61	8 57
106	2 83	3 77	4 72	5 66	6 60	7 55	8 49
107	2 80	3 74	4 67	5 61	6 54	7 48	8 41
108	2 78	3 70	4 63	5 56	6 48	7 41	8 33
109	2 75	3 67	4 59	5 50	6 42	7 34	8 26
110	2 72	3 63	4 54	5 45	6 36	7 27	8 18
115	2 60	3 48	4 34	5 21	6 08	6 95	7 83
120	2 50	3 33	4 16	5 00	5 83	6 66	7 50
130	2 30	3 07	3 84	4 61	5 38	6 15	6 92
140	2 14	2 86	3 57	4 28	5 00	5 71	6 43
150	2 00	2 67	3 33	4 00	4 66	5 33	6 00
160	1 88	2 50	3 12	3 75	4 38	5 00	5 62
170	. .	. .	. .	3 53	4 12	4 70	5 29
180	. .	. .	. .	3 33	3 88	4 44	5 00
190	. .	. .	. .	3 16	3 68	4 21	4 74
200	. .	. .	. .	3 00	3 50	4 00	4 50

RATES OF POSTAGE.

POSTAL CARDS, 1 cent each, go without further charge to all parts of the United States, Canada and Mexico. "Reply Postal Cards," with card attached for paid reply, 2 cents each. Cards for foreign countries (within the Postal Union) 2 cents each.

LETTERS, to all parts of the United States, Canada and Mexico, 2 cents for each ounce or fraction thereof. LOCAL, OR "DROP" LETTERS, that is, for the city or town where deposited, 2 cents where the carrier system is adopted, and 1 cent where there is no carrier system.

FIRST CLASS.—Letters and all other written matter, whether sealed or unsealed, and all other matter sealed, nailed, sewed, tied, or fastened in any manner so that it cannot be easily examined, 2 cents for each ounce or fraction thereof.

SECOND CLASS.—Only for publishers and news-agents, 1 cent per pound.

NEWSPAPERS and PERIODICALS (regular publications) can be mailed by the public at the rate of 1 cent for each 4 ounces or fraction thereof

THIRD CLASS.—Printed matter, in unsealed wrappers only (all matter inclosed in notched envelopes must pay letter rates), 1 cent for each 2 ounces or fraction thereof, which must be fully prepaid. This includes books, circulars, chromos, engravings, handbills, lithographs, music, pamphlets, proof-sheets and manuscript accompanying the same, reproductions by the electric pen, hektograph, metallograph, papyrograph, and, in short, any reproduction upon paper by any process except handwriting and the copying-press. Limit of weight 4 lbs., except for a single book, which may weigh more.

FOURTH CLASS.—All mailable matter not included in the above, which is so prepared for mailing as to be easily withdrawn from the wrapper and examined, 1 cent per ounce or fraction thereof. Limit of weight 4 lbs. Full prepayment compulsory.

REFORWARDING.—Letters will be forwarded from one post office to another upon the *written* request of the *person addressed*, without additional charge; but unclaimed packages *cannot be returned to the sender* until stamps are furnished to pay the return postage.

PERMISSIBLE WRITING.—No writing is permitted on third or fourth class matter except as follows: The name and address of sender on the outside or inside of package, preceded by the word "from." On the wrapper may also be written the names and number of articles inclosed. The sender is further allowed to mark a word or passage in a book or paper to which he desires to call special attention. He may also write a simple inscription or dedication upon the cover or blank leaves of a book or pamphlet. There may be attached to articles of merchandise, by tag or label, a mark, number, name, or letter for purpose of identification. Printed circulars may contain the

written name of the sender, or of the addressee, and the date. Any other writing on third or fourth class matter will subject the package to letter rates of postage, and render the sender liable to a fine of ten dollars for each offence. Printed matter may be enclosed with fourth class matter, but the whole package is subject to the rate of 1 cent per ounce or fraction thereof.

REGISTRATION.—Letters or packages can be registered by *adding* stamps to the amount of 8 cents to the regular rate.

SPECIAL DELIVERY STAMPS, at 10 cents each, used in *addition* to regular rates, insures delivery immediately on arrival at office of destination. *These stamps can be used for no other purpose.*

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MONEY ORDERS.

For Orders not exceeding $2.50, three cents; over $2.50 and not exceeding $5, five cents; over $5 and not exceeding $10, eight cents; over $10 and not exceeding $20, ten cents; over $20 and not exceeding $30, twelve cents; over $30 and not exceeding $40, fifteen cents; over $40 and not exceeding $50, eighteen cents; over $50 and not exceeding $60, twenty cents; over $60 and not exceeding $75, twenty-five cents; over $75 and not exceeding $100, thirty cents.

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FOREIGN POSTAGE.

The rates for LETTERS are for the half ounce or fraction thereof, and those for NEWSPAPERS for 2 ounces or fraction thereof.

To Great Britain and Ireland, France, Spain, all parts of Germany, including Austria, Denmark, Switzerland, Italy, Russia, Norway, Sweden, Turkey (European and Asiatic), Egypt, letters 5 cents, newspapers 1 cent for each 2 ounces or fraction thereof.

To Australia, letters via San Francisco, 5 cents; via Brindisi, 5 cents; newspapers, via San Francisco, 1 cent for 2 ounces; via Brindisi, 1 cent for 2 ounces. China, letters, via San Francisco, 5 cents; via Brindisi, 10 cents; newspapers, 2 cents for each 2 ounces. British India, Italian mail, letters 5 cents; newspapers, 1 cent for 2 ounces. Japan, letters, via San Francisco, 5 cents; newspapers, 1 cent for 2 ounces.

HELP! In case of Accidents.

Drowning. **1.** Loosen clothing, if any. **2.** Empty lungs of water by laying body on its stomach and lifting it by the middle so that the head hangs down. Jerk the body a few times. **3.** Pull tongue forward, using handkerchief, or pin with string, if necessary. **4.** Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. **5.** Apply warmth and friction to extremities. **6.** By holding tongue forward, closing the nostrils and pressing the "Adam's apple" back, (so as to close entrance to stomach), direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. **7.** DON'T GIVE UP! People have been saved after HOURS of patient, vigorous effort. **8.** When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air and quiet.

Burns and Scalds. Cover with Cooking Soda and lay wet cloths over it. Whites of Eggs and Olive Oil. Olive or Linseed Oil, plain, or mixed with Chalk or Whiting.

Lightning. Dash cold water over a person struck.

Sunstroke. Loosen clothing. Get patient into shade and apply ice-cold water to head.

Mad Dog or Snake Bite. Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife.

Venomous Insects Stings, &c. Apply weak Ammonia, Oil, Salt Water, or Iodine.

Fainting. Place flat on back; allow fresh air and sprinkle with water.

Tests of Death. Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead the hole will remain, if alive it will close up.

Cinders in the Eye. Roll soft paper up like a lamp lighter and wet the tip to remove, or use a medicine dropper to draw it out. Rub the *other* eye.

Fire in one's Clothing. *Don't run,*—especially not down stairs or out of doors. Roll on carpet, or wrap in woolen rug or blanket. Keep the head down, so as not to inhale flame.

Fire in a Building. Crawl on the floor. The clearest air is the lowest in the room. Cover head with a woolen wrap, wet if possible. Cut holes for the eyes. Don't get excited.

Fire in Kerosene. *Don't use water*, it will spread the flames. Dirt, sand or flour is the best extinguisher; or smother with woolen rug, table-cloth or carpet.

ANTIDOTES FOR POISONS.

First. Send for a Physician.

Second. INDUCE VOMITING, by tickling throat with feather or finger. Drinking hot water or strong Mustard and water. Swallow Sweet Oil or whites of Eggs.

Acids are antidotes for ALKALIES, and *vice versa*.

SPECIAL POISONS AND ANTIDOTES.

Acids. MURIATIC, OXALIC. ACETIC. SULPHURIC (Oil of Vitriol). NITRIC (Aqua Fortis).	Soap-suds, Magnesia, Lime-water.
Prussic Acid.	Ammonia in water. Dash water in face.
Carbolic Acid.	Flour and water, mucilaginous drinks.
Alkalies. POTASH. LYE. HARTSHORN. AMMONIA.	Vinegar or Lemon juice in water.
Arsenic. **Rat Poison.** **Paris Green.**	Milk, Raw Eggs, Sweet Oil, Lime-water, Flour aud water.
Bug Poison. **Lead.** **Saltpetre.** **Corrosive Sublimate.** **Sugar of Lead.** **Blue Vitriol.**	Whites of Eggs or Milk in large doses.
Chloroform. **Chloral.** **Ether.**	Dash cold water on head and chest. Artificial respiration. Piece of ice in rectum.
Carbonate of Soda. **Copperas.** **Cobalt.**	Soap-suds and mucilaginous drinks.
Iodine. **Antimony.** **Tartar Emetic.**	Starch and water. Astringent infusions. Strong tea.
Mercury AND ITS SALTS.	Whites of Eggs. Milk. Mucilages.
Nitrate of Silver. **Lunar Caustic.**	Salt and water.
Opium. **Morphine.** **Laudanum.** **Paregoric.** **Soothing Powders or Syrups.**	Strong coffee, hot bath. Keep awake and moving at any cost.
Strychnine. **Tinct. of Nux Vomica.**	Mustard and water, Sulphate of Zinc. Absolute quiet. Plug the ears.

POPULATION OF THE UNITED STATES.

The official count of the returns of the Eleventh Census as finally determined.

States and Territories.	1890.	1880.
Alabama	1,513,017	1,262,505
Alaska	.....	.....
Arizona	59,620	40,440
Arkansas	1,128,179	802,525
California	1,208,130	864,694
Colorado	412,198	194,327
Connecticut	746,258	622,700
Delaware	168,493	146,608
District of Columbia	230,392	177,624
Florida	391,422	269,493
Georgia	1,837,353	1,542,180
Idaho	84,385	32,610
Illinois	3,826,351	3,077,871
Indiana	2,192,404	1,978,301
Indian Territory	.....	.....
Iowa	1,911,896	1,624,615
Kansas	1,427,096	996,096
Kentucky	1,858,635	1,648,690
Louisiana	1,118,587	939,946
Maine	661,086	648,936
Maryland	1,042,390	934,943
Massachusetts	2,238,943	1,783,085
Michigan	2,093,889	1,636,937
Minnesota	1,301,826	780,773
Mississippi	1,289,600	1,131,597
Missouri	2,679,184	2,168,380
Montana	132,159	39,159
Nebraska	1,058,910	452,402
Nevada	45,761	62,266
New Hampshire	376,530	346,991
New Jersey	1,444,933	1,131,116
New Mexico	153,593	119,565
New York	5,997,853	5,082,871
North Carolina	1,617,947	1,399,750
North Dakota	182,719	36,909
Ohio	3,672,316	3,198,062
Oklahoma	61,834	.....
Oregon	313,767	174,768
Pennsylvania	5,258,014	4,282,891
Rhode Island	345,506	276,531
South Carolina	1,151,149	995,577
South Dakota	328,808	98,268
Tennessee	1,767,518	1,542,359
Texas	2,235,523	1,591,749
Utah	207,905	143,963
Vermont	332,422	332,286
Virginia	1,655,980	1,512,565
Washington	349,390	75,116
West Virginia	762,794	618,457
Wisconsin	1,686,880	1,315,497
Wyoming	60,705	20,789
Total population of U. S.	62,622,250	50,155,783

POPULATION OF PRINCIPAL CITIES.

	1890.	1880.
Albany, N. Y.	94,923	90,758
Allegheny, Pa.	105,287	78,682
Atlanta, Ga.	65,533	37,409
Baltimore, Md.	434,439	332,313
Boston, Mass.	448,477	362,839
Brooklyn, N. Y.	806,343	566,663
Buffalo, N. Y.	255,664	155,134
Cambridge, Mass.	70,028	52,669
Camden, N. J.	58,313	41,659
Charleston, S. C.	54,955	49,984
Chicago, Ill.	1,099,850	503,185
Cincinnati, O.	296,908	255,139
Cleveland, O.	261,353	160,146
Columbus, O.	88,150	51,647
Dayton, O.	61,220	38,678
Denver, Col.	106,713	35,629
Des Moines, Ia.	50,093	22,408
Detroit, Mich.	205,876	116,340
Evansville, Ind.	50,756	29,280
Fall River, Mass.	74,398	48,961
Grand Rapids, Mich.	60,278	32,016
Hartford, Conn.	53,230	42,015
Indianapolis, Ind.	105,436	75,056
Jersey City, N. J.	163,003	120,722
Kansas City, Mo.	132,716	55,785
Lincoln, Neb.	55,154	13,003
Louisville, Ky.	161,129	123,758
Lowell, Mass.	77,696	59,475
Lynn, Mass.	55,727	38,274
Memphis, Tenn.	64,495	33,592
Milwaukee, Wis	204,468	115,587
Minneapolis, Minn.	164,738	46,887
Nashville, Tenn.	76,168	43,350
Newark, N. J.	181,830	136,508
New Haven, Conn.	81,298	62,882
New Orleans, La.	242,039	216,090
New York, N. Y.	1,515,301	1,206,299
Omaha, Neb.	140,452	30,518
Paterson, N. J.	78,347	51,031
Philadelphia, Pa.	1,046,964	847,170
Pittsburgh, Pa.	238,617	156,389
Providence, R. I.	132,146	104,857
Reading, Pa.	58,661	43,278
Richmond, Va.	81,388	63,600
Rochester, N. Y.	133,896	89,366
Saint Joseph, Mo.	52,324	32,431
Saint Louis, Mo.	451,770	350,518
Saint Paul, Minn.	133,156	41,473
San Francisco, Cal.	298,997	233,959
Scranton, Pa.	75,215	45,850
Syracuse, N. Y.	88,143	51,792
Toledo, O.	81,434	50,137
Trenton, N. J.	57,458	29,910
Troy, N. Y.	60,956	56,747
Washington, D. C.	230,392	177,624
Wilmington, Del.	61,431	42,478
Worcester, Mass.	84,655	58,291

RELATIVE RANK OF CITIES.

In 1870 there were but fourteen cities each containing more than 100,000 inhabitants. In 1880 this number had increased to twenty, and in 1890 to twenty-eight.

In 1880 there was but one city, New York, which had a population in excess of a million. In 1890 there were three, New York, Chicago, and Philadelphia.

The number and relative rank of cities having a population of 100,000 or more at the date of each of these censuses are set forth in the following table.

	RANK.		
	1890.	1880.	1870.
New York, N. Y.	1	1	1
Chicago, Ill.	2	4	5
Philadelphia, Pa.	3	2	2
Brooklyn, N. Y.	4	3	3
Saint Louis, Mo.	5	6	4
Boston, Mass.	6	5	7
Baltimore, Md.	7	7	6
San Francisco, Cal.	8	9	10
Cincinnati, O.	9	8	8
Cleveland, O.	10	11	..
Buffalo, N. Y.	11	13	11
New Orleans, La.	12	10	9
Pittsburgh, Pa.	13	12	..
Washington, D. C.	14	14	12
Detroit, Mich.	15	18	..
Milwaukee, Wis.	16	19	..
Newark, N. J.	17	15	13
Minneapolis, Minn.	18	..	..
Jersey City, N. J.	19	17	..
Louisville, Ky.	20	16	14
Omaha, Neb.	21	..	..
Rochester, N. Y.	22	..	..
Saint Paul, Minn.	23	..	..
Kansas City, Mo.	24	..	..
Providence, R. I.	25	20	..
Denver, Col.	26	..	..
Indianapolis, Ind.	27	..	..
Allegheny City, Pa.	28	..	..

VALUES OF FOREIGN COINS.

The following estimate, by the Director of the Mint, of the values of Foreign Coins, is proclaimed by the Secretary of the Treasury, in pursuance of the provisions of section 25 of the Act of August 28, 1894, to be the values of such coins in terms of the money of account of the United States, to be followed in estimating the value of all foreign merchandise exported to the United States on or after Jan. 1, 1898, expressed in any of such metallic currencies:

Country.	Standard.	Monetary Unit.	Value.
			D. C M.
Argentine Rep..	Gold & silv.	Peso	0 96 5
Austria-Hungary	Gold	Crown	0 20 3
Belgium	Gold & silv.	Franc	0 19 3
Bolivia	Silver	Boliviano	0 42 4
Brazil	Gold	Milreis	0 54 6
British America..	Gold	Dollar	1 0 0
Costa Rica	Gold	Colon	0 46 5
Chili	Gold	Peso	0 36 5
China	Silver	Tael.. Shanghai..	0 62 6
		Tael.. Haikwan..	0 69 7
		Tael.. (Customs).	
Colombia	Silver	Peso	0 42 4
Cuba	Gold & silv.	Peso	0 92 6
Denmark	Gold	Crown	0 26 8
Ecuador	Silver	Sucre	0 42 4
Egypt	Gold	Pound (100 piastres)	4 94 3
Finland	Gold	Mark	0 19 3
France	Gold & silv.	Franc	0 19 3
German Empire	Gold	Mark	0 23 8
Great Britain	Gold	Pound sterling	4 86 6½
Greece	Gold & silv.	Drachma	0 19 3
Guatemala	Silver	Peso	0 42 4
Hayti	Gold & silv.	Gourde	0 96 5
India	Silver	Rupee	0 20 1
Italy	Gold & silv.	Lira	0 19 3
Japan	Gold	Yen	0 49 8
Liberia	Gold	Dollar	1 0 0
Mexico	Silver	Dollar	0 46 0
Netherlands	Gold & silv.	Florin	0 40 2
Newfoundland	Gold	Dollar	1 1 4
Norway	Gold	Crown	0 26 8
Persia	Silver	Kran	0 7 8
Peru	Silver	Sol	0 42 4
Portugal	Gold	Milreis	1 8 0
Russia	Gold	Ruble	0 77 2
Spain	Gold & silv.	Peseta	0 19 3
Sweden	Gold	Crown	0 26 8
Switzerland	Gold & silv.	Franc	0 19 3
Turkey	Gold	Piaster	0 4 4
Uruguay	Gold	Peso	1 3 4
Venezuela	Gold & silv.	Bolivar	0 19 3

INTEREST LAWS OF ALL THE STATES,

AND DAYS OF GRACE

STATES AND TERRITORIES.	DAYS OF GRACE.		RATES OF INTEREST.		PENALTY OF USURY.
	Notes.	Sight Drafts.	Legal.	Special or Contract.	
Alabama	Yes	Yes	8	8 per ct.	Forft. of all int
Arizona	Yes	Yes	7	No limit.	None
Arkansas	Yes	Yes	6	10 per ct.	Forft. principal & int.
California	No	No	7	No limit.	None
Colorado	Yes	No	8	No limit.	None
Connecticut	No	No	6	No limit.	None
Delaware	Yes	No	6	6 per ct.	Forft. of principal
District of Col.	No	No	6	10 per ct.	Forft. of entire int
Florida	Yes	No	8	10 per ct.	None
Georgia	Yes	No	7	8 per ct.	Forft. of excess of int.
Idaho	No	No	7	12 per ct.	Fft. 10 p.ct. prin. an'ly
Illinois	No	No	5	7 per ct.	Forft. of entire int
Indiana	Yes	Yes	6	8 per ct.	Forft. int. over 6 p.ct.
Iowa	Yes	Yes	6	8 per ct.	Fft. int., costs, etc.
Kansas	Yes	No	6	10 per ct.	Fft twice ex over 10 p ct
Kentucky	Yes	Yes	6	6 per ct.	Forft. excess of int
Louisiana	Yes	No	5	8 per ct.	Forft. of interest
Maine	Yes	Yes	6	No limit	None
Maryland	No	No	6	6 per ct.	Forft. excess of int
Massachusetts	No	Yes	6	No limit.	None (6p c. on j'gmts)
Michigan	Yes	Yes	6	8 per ct.	Forft. of interest
Minnesota	Yes	Yes	7	10 per ct.	Forft. of principal
Mississippi	Yes	Yes	8	10 per ct.	Forft. of interest
Missouri	Yes	No	6	8 per ct.	Exc. applic'le on prin
Montana	No	No	10	No limit	None
Nebraska	Yes	Yes	7	10 per ct.	Forft. of int.—costs
Nevada	Yes	No	7	No limit.	None
New Hampshire	No	No	6	6 per ct.	Fft. treble exc. of int
New Jersey	No	No	6	6 per ct.	Forft. int. & costs
New Mexico	Yes	Yes	6	12 per ct.	Forft. dbl. amt. of int
New York	No	No	6	6 per ct.	Fft. contr't, fine, imp't
North Carolina.	Yes	Yes	6	6 per ct.	Fft. dbl. amt. of int
North Dakota	Yes	Yes	7	12 per ct.	Fine not exc. $2'0, imp
Ohio	No	No	6	8 per ct.	Forfeiture of excess.
Oklahoma	Yes	No	7	12 per ct.	
Oregon	No	No	8	10 per ct.	Fft. prin. & int—costs
Pennsylvania	No	No	6	6 per ct.	Forft. excess of int
Rhode Island	Yes	Yes	6	No limit.	None
South Carolina.	Yes	Yes	7	8 per ct.	Forfeit of interest
South Dakota	Yes	Yes	7	12 per ct.	Forft. int., fine, imp't
Tennessee	Yes	No	6	No limit	Forft. excess of int
Texas	Yes	Yes	8	10 per ct.	Forft. entire interest.
Utah	No	No	8	No limit.	None
Vermont	No	No	6	6 per ct.	Forft. of excess
Virginia	Yes	No	6	6 per ct.	Forft exc's over 6 p c.
Washington	Yes	Yes	7	12 per ct	Dbl. amt. int. & costs
West Virginia	Yes	No	6	6 per ct	Forfeit. of interest
Wisconsin	No	No	6	10 per ct.	Forft. entire interest.
Wyoming	Yes	Yes	8	12 per ct.	None

PRESIDENTS OF THE UNITED STATES.

No.	NAMES.	Born.	Inaugurated.	Term of Office.	Died.	Native of	Residence when elected.	Political Party.
1	George Washington	Feb. 22, 1732	April 30, 1789	8 years.....	Dec. 14, 1799	Virginia.	Virginia.	Federal.
2	John Adams.....	Oct. 31, 1735	Mar. 4, 1797	4 "	July 4, 1826	Mass.	Mass.	"
3	Thomas Jefferson...	April 2, 1743	" 4, 1801	8 "	" 4, 1826	Virginia.	Virginia.	Republican.
4	James Madison.....	Mar. 16, 1751	" 4, 1809	8 "	June 28, 1836	"	"	"
5	James Monroe.....	April 28, 1758	" 4, 1817	8 "	July 4, 1831	"	"	"
6	John Quincy Adams.	July 11, 1767	" 4, 1825	4 "	Feb. 23, 1848	Mass.	Mass.	Coalition.
7	Andrew Jackson	Mar. 15, 1767	" 4, 1829	8 "	June 8, 1845	S. Carolina.	Tennessee.	Democrat.
8	Martin Van Buren.	Dec. 5, 1782	" 4, 1837	4 "	July 24, 1862	New York.	New York.	"
9	Wm. H. Harrison ...	Feb. 9, 1773	" 4, 1841	1 month	April 4, 1841	Virginia.	Ohio.	Whig.
10	John Tyler.....	Mar. 29, 1790	April 6, 1841	3 yrs. 11 mos.	Jan. 18, 1862	"	Virginia.	"
11	James K. Polk	Nov. 2, 1795	Mar. 4, 1845	4 years.....	June 15, 1849	N. Carolina.	Tennessee.	Democrat.
12	Zachary Taylor.....	Sept. 24, 1784	" 4, 1849	1 year 4 mos..	July 9, 1850	Virginia.	Louisiana.	Whig.
13	Millard Fillmore ..	Feb. 7, 1800	July 9, 1850	2 years 8 mos.	Mar. 7, 1874	New York.	New York.	"
14	Franklin Pierce....	Nov. 23, 1804	Mar. 4, 1853	4 years.....	Oct. 8, 1869	N. Hamp.	N. Hamp.	Democrat.
15	James Buchanan....	April 23, 1791	" 4, 1857	4 "	June 1, 1868	Penn.	Penn.	"
16	Abraham Lincoln...	Feb. 12, 1809	" 4, 1861	4 yrs. 40 days.	April 15, 1865	Kentucky.	Illinois.	Republican.
17	Andrew Johnson....	Dec. 29, 1808	April 15, 1865	3 yrs. 10½ mos.	July 31, 1875	N. Carolina.	Tennessee.	"
18	Ulysses S. Grant ...	April 27, 1822	Mar. 4, 1869	8 years.....	July 23, 1885	Ohio.	Illinois.	"
19	Rutherf'd B. Hayes	Oct. 4, 1822	" 5, 1877	4 "	Jan. 17, 1893	"	Ohio.	"
20	James A. Garfield..	Nov. 19, 1831	" 4, 1881	6½ months....	Sept. 19, 1881	"	"	"
21	Chester A. Arthur.	Oct. 5, 1830	Sept. 20, 1881	3 yrs. 5½ mos.	Nov. 18, 1886	Vermont.	New York.	"
22	Grover Cleveland..	Mar. 18, 1837	Mar. 4, 1885	4 years.....	.....	New Jersey.	" "	Democrat.
23	Benjamin Harrison.	Aug. 20, 1833	" 4, 1889	4 "	.....	Ohio.	Indiana.	Republican.
24	Grover Cleveland..	Mar. 18, 1837	" 4, 1893	4 "	.....	New Jersey.	New York.	Democrat.
25	William McKinley.	Jan. 29, 1843	" 4, 1897	.....	.....	Ohio.	Ohio.	Republican.

LEGAL HOLIDAYS.

In most of the States when the holiday falls on Sunday the Monday following is the holiday.

ALABAMA—Jan. 1, Feb. 22, Mardi-Gras, Good Friday, April 26, July 4, 1st Monday in Sept., Dec. 25.

ARIZONA—Jan. 1, Feb. 22, May 30, July 4, Dec. 25, any day of Thanksgiving or general election.

CALIFORNIA—Jan. 1, Feb. 22, May 30, July 4, Sept. 9, 1st Mon. in Oct., Thanksgiving, Dec. 25, general election.

COLORADO—Jan. 1, Feb. 22, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, Arbor Day, general election.

CONNECTICUT—Jan. 1, Feb. 12, Feb. 22, Fast day, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25.

DELAWARE—Jan. 1, Feb. 22, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25.

DISTRICT OF COLUMBIA—Jan. 1, Feb. 22, Mar. 4, May 30, July 4, 1st Mon. in Sept., Thanksgiving day, Dec. 25.

FLORIDA—Jan. 1 and 19, Feb. 7, Feb. 22, April 26, June 3, July 4, 1st Mon. in Sept., Thanksgiving, Dec. 25, general election.

GEORGIA—Jan. 1 and 19, Feb. 22, April 26, June 3, July 4, 1st Monday in Sept., any Thanksgiving, 1st Friday in Dec., Dec. 25.

ILLINOIS—Jan. 1, Feb. 12 and 22, May 30, July 4, 1st Mon. in Sept., Election Day, Thanksgiving, Dec. 25.

INDIANA—Jan. 1, Feb. 22, public fast, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election.

IOWA—Jan. 1, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election.

KANSAS—Jan. 1, May 30, public fast, July 4, 1st Monday in Sept., Arbor Day, Thanksgiving, Dec. 25, general election.

KENTUCKY— Feb. 22, May 30, July 4, public fast, 1st Monday in Sept., Thanksgiving, Dec. 25.

LOUISIANA—Jan. 1 and 8, Feb. 22, Mardi-Gras, in New Orleans, Good Friday, April 6, July 4, Labor Day, Dec. 25, All Saints Day.

MAINE—Jan. 1, Feb. 22, May 30, public fast, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25.

MARYLAND—Jan. 1, Feb. 22, Good Friday, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election, every Saturday P. M.

MASSACHUSETTS—Feb. 22, April 19, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25.

MICHIGAN—Jan. 1, Feb. 22, May 30, July 4, 1st Mon. in Sept., Dec. 25, Fasting and Thanksgiving day

MINNESOTA—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, Arbor Day, general election.

MISSISSIPPI—July 4, Dec. 25.

MISSOURI—Jan. 1, Feb. 22, May 30, July 4, 1st Mon. in Sept., Dec. 25, Thanksgiving, general election.

MONTANA—Jan. 1, Feb. 22, 3d Tuesday in April, May 30, public fast, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, Arbor Day, general election.

NEBRASKA—Jan. 1, Feb. 22, April 22, May 30, July 4, 1st Mon. in Sept., public fast, Thanksgiving, Dec. 25.
NEVADA—Jan. 1, Feb. 22, May 30, July 4, Oct. 31, Thanksgiving, Dec. 25, general election.
NEW HAMPSHIRE—Feb. 22, Fast day, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election.
NEW JERSEY—Jan. 1, Feb. 12 and 22, May 30, July 4, 1st Monday in Sept., Thanksgiving and Fast day, Dec. 25, every Saturday P.M., general election. Notes and drafts payable on secular or business day next succeeding each holiday.
NEW YORK—Jan. 1, Feb. 12 and 22, May 30, July 4, 1st Monday in Sept., Dec. 25, general election, every Saturday P. M., Thanksgiving, Fast day.
NORTH CAROLINA—Jan. 1 and 19, Feb. 22, May 10 and 20, July 4, Thanksgiving, Dec. 25. Notes and drafts payable on secular or business day next succeeding each holiday.
NORTH & SOUTH DAKOTA—Jan. 1, Feb. 12, Feb. 22, May 30, July 4, Arbor Day, Thanksgiving, public fast, Dec. 25, general election.
OHIO—Jan. 1, Feb. 22, May 30, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election.
OREGON—Jan. 1, Feb. 22, May 30, 1st Sat. in June, July 4, 1st Monday in Sept., public fast, Thanksgiving, Dec. 25.
PENNSYLVANIA—Jan. 1, Feb. 12, Feb. 22, Good Friday, May 30, July 4, 1st Mon. in Sept., Thanksgiving, Dec. 25, general election, every Saturday P.M.
RHODE ISLAND—Feb. 22, 1st Friday in May, May 30, July 4, 1st Monday in September, Thanksgiving, December 25, general election.
SOUTH CAROLINA—Jan. 1, Jan. 19, Feb. 22, May 10, July 4, 1st Monday in Sept., National Thanksgiving, Dec. 25, general election.
TENNESSEE—Jan. 1, Good Friday, May 30, July 4, 1st Mon. in Sept., Thanksgiving, Dec. 25, general election.
TEXAS—Jan. 1, Feb. 22, March 2, April 21, July 4, 1st Monday in Sept., Dec. 25, days of Fasting and Thanksgiving, election day.
UTAH—Jan. 1, Feb. 22, April 15, May 30, July 4, July 24, 1st Monday in Sept., Thanksgiving, Fast days, Dec. 25.
VERMONT—Jan. 1, Feb. 22, May 30, July 4, Aug. 16, Thanksgiving, Dec. 25.
VIRGINIA—Jan. 1 and 19, Feb. 22, Fast day, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25.
WASHINGTON—Jan. 1, Feb. 12 and 22, Decoration day, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election.
WEST VIRGINIA—Jan. 1, Feb. 22, July 4, Dec. 25, any day of National Thanksgiving, general election.
WISCONSIN—Jan. 1, Feb. 22, May 30, Arbor Day, July 4, 1st Monday in Sept., Thanksgiving, Dec. 25, general election.
WYOMING—Jan. 1, Feb. 22, May 30, July 4, 1st Monday in Sept., Arbor Day, Thanksgiving, Dec. 25, general election.

STANDARD TIME.

In this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in Standard Time.

To change to Standard Time add or subtract the *minutes* as given below, according as they are marked *plus* or *minus*.

Standard Time Divisions as adopted by the Railroads.

Eastern Standard—75th Meridian. Canada, between Quebec and Detroit,—U. S. east of Buffalo, N. Y.; Pittsburg, Pa.; Wheeling and Huntington, W. Va.; Bristol, Tenn.; Charlotte, N. C., and Augusta, Ga.

Central Standard—90th Meridian. West from "Eastern" limits, as above, to Broadview, Canada; to the Missouri River in Dakota; North Platte and McCook, Nebraska; Wallace and Dodge City, Kansas; Toyah and Sanderson, Texas.

Mountain Standard—105th Meridian. West from "Central" limits to Heron, Montana; Ogden, Utah; Needles and Yuma, Arizona.

Pacific Standard—120th Meridian. West from "Mountain" limits to coast.

Correction for the following Cities.

Eastern Standard.

75° Longitude.

	Minutes.
Bangor, Me.	— 25
Augusta, Me.	— 21
Portland, Me.	— 19
Boston, Mass.	— 16
Newport, R. I.	— 15
Providence, R. I.	— 14
Concord, N. H.	— 14
New London, Conn.	— 11
Springfield, Mass.	— 10
Montpelier, Vt.	— 10
Hartford, Conn.	— 9
Montreal, Que.	— 6
Albany, N. Y.	— 5
New York, N. Y	— 4
Utica, N. Y.	+ 1
Philadelphia, Pa.	+ 1
Syracuse, N. Y.	+ 5
Baltimore, Md.	+ 6
Washington, D. C.	+ 8
Rochester, N. Y.	+ 11
Buffalo, N. Y.	+ 16
Pittsburg, Pa.	+ 20

Central Standard.

90° Longitude.

	Minutes.
Cleveland, Ohio	— 33
Columbus, Ohio	— 28
Detroit, Mich.	— 28
Toledo, Ohio.	— 26
Dayton, Ohio	— 23
Cincinnati, Ohio	— 22
Louisville, Ky.	— 18
Indianapolis, Ind.	— 16
Chicago, Ill.	— 10
Milwaukee, Wis.	— 8
Springfield, Ill.	— 2
Memphis, Tenn.	0
New Orleans, La.	0
St. Louis, Mo.	+ 1
Rock Island, Ill.	+ 3
Dubuque, Iowa	+ 3
Burlington, Iowa	+ 5
St. Paul, Minn.	+ 12
Des Moines, Iowa	+ 14
Kansas City, Mo.	+ 18
Galveston, Texas	+ 19
Omaha, Neb.	+ 24

Mountain Standard.

105° Longitude.

Denver, Col.	0
Salt Lake City, Utah,	+ 28

Pacific Standard.

120° Longitude.

Sacramento, Cal.	+ 6
San Francisco, Cal.	+ 10

HIGH TIDE.

(STANDARD TIME.)

Day of Mo.	JANUARY.		FEBRUARY.		MARCH.	
	Bost. Tide.	N. Y. Tide.	Bost. Tide.	N. Y. Tide.	Bost. Tide.	N. Y. Tide.
	Morning.	Morning.	Morning.	Morning.	Morning.	Morning.
1	1 49	11 2	2 30	11 47	1 22	10 38
2	2 26	11 41	3 12	0 9	2 4	11 20
3	3 4	0 1	4 0	0 59	2 49	.....
4	3 46	0 45	4 59	1 58	3 42	0 40
5	4 33	1 32	6 6	3 4	4 45	1 43
6	5 27	2 25	7 20	4 16	5 54	2 53
7	6 30	3 28	8 30	5 27	7 8	4 5
8	7 36	4 33	9 35	6 33	8 16	5 13
9	8 44	5 42	10 33	7 29	9 17	6 15
10	9 50	6 47	11 22	8 17	10 11	7 7
11	10 47	7 44	.....	9 6	10 58	7 53
12	11 42	8 38	0 30	9 51	11 41	8 37
13	0 7	9 30	1 15	10 33	0 2	9 22
14	0 56	10 16	1 59	11 16	0 46	10 5
15	1 43	11 0	2 44	.....	1 30	10 48
16	2 29	11 47	3 32	0 30	2 17	11 36
17	3 13	0 11	4 26	1 25	3 5	0 2
18	4 2	1 1	5 26	2 24	3 58	0 57
19	4 57	1 55	6 27	3 25	4 55	1 53
20	5 56	2 54	7 28	4 24	5 55	2 53
21	6 56	3 53	8 24	5 21	6 53	3 50
22	7 56	4 52	9 13	6 11	7 46	4 43
23	8 52	5 49	9 57	6 55	8 36	5 34
24	9 42	6 40	10 39	7 34	9 21	6 19
25	10 28	7 24	11 15	8 9	10 2	7 0
26	11 9	8 3	11 49	8 47	10 42	7 37
27	11 45	8 42	0 7	9 24	11 18	8 12
28	0 4	9 20	0 43	10 0	11 56	8 54
29	0 39	9 55	.....	.....	0 16	9 35
30	1 15	10 29	.....	.....	0 59	10 19
31	1 52	11 5	.....	.....	1 46	11 5

HIGH TIDE.

(STANDARD TIME.)

Day of Mo.	APRIL.		MAY.		JUNE.	
	Bost. Tide.	N. Y. Tide.	Bost. Tide.	N. Y. Tide.	Bost. Tide.	N. Y. Tide.
	Morning.	Morning.	Morning.	Morning.	Morning.	Morning.
1	2 37	.....	3 24	0 22	5 1	2 0
2	3 33	0 31	4 24	1 22	6 0	2 58
3	4 37	1 35	5 26	2 25	6 58	3 54
4	5 45	2 43	6 29	3 26	7 56	4 52
5	6 52	3 49	7 28	4 25	8 50	5 48
6	7 55	4 52	8 24	5 20	9 42	6 40
7	8 53	5 50	9 16	6 13	10 32	7 28
8	9 44	6 42	10 6	7 3	11 19	8 13
9	10 31	7 27	10 53	7 47	.....	9 0
10	11 15	8 10	11 37	8 33	0 23	9 44
11	11 58	8 55	.....	9 20	1 6	10 23
12	0 20	9 41	0 45	10 5	1 46	11 0
13	1 6	10 26	1 30	10 47	2 26	11 41
14	1 53	11 11	2 15	11 32	3 6	0 3
15	2 40	.....	2 59	.....	3 46	0 45
16	3 29	0 27	3 44	0 43	4 31	1 30
17	4 21	1 20	4 31	1 30	5 20	2 18
18	5 15	2 13	5 20	2 18	6 13	3 11
19	6 9	3 7	6 9	3 7	7 10	4 7
20	7 0	3 57	7 0	3 57	8 9	5 6
21	7 50	4 46	7 53	4 50	9 8	6 6
22	8 37	5 35	8 43	5 41	10 8	7 5
23	9 22	6 20	9 34	6 32	11 4	7 57
24	10 6	7 4	10 26	7 23	11 56	8 54
25	10 50	7 45	11 16	8 10	0 22	9 46
26	11 33	8 28	.....	9 6	1 13	10 33
27	.....	9 17	0 33	9 58	2 3	11 21
28	0 43	10 7	1 27	10 48	2 50	.....
29	1 35	10 56	2 19	11 41	3 38	0 37
30	2 29	11 53	3 11	0 8	4 31	1 30
31	.....	.....	4 4	1 3	.....	.....

HIGH TIDE.

(STANDARD TIME.)

Day of Mo.	JULY.		AUGUST.		SEPTEMBER.	
	Bost. Tide.	N. Y. Tide.	Bost. Tide.	N. Y. Tide.	Bost. Tide.	N. Y. Tide.
	Morning.	Morning.	Morning.	Morning.	Morning.	Morning.
1	5 28	2 26	7 6	4 3	8 33	5 31
2	6 28	3 26	8 7	5 3	9 21	6 19
3	7 29	4 26	9 2	5 59	10 4	7 1
4	8 28	5 24	9 51	6 49	10 42	7 37
5	9 23	6 21	10 35	7 30	11 17	8 11
6	10 14	7 11	11 13	8 8	11 51	8 48
7	10 59	7 54	11 48	8 45	0 9	9 25
8	11 40	8 36	0 6	9 23	0 45	10 1
9	0 0	9 17	0 42	9 57	1 24	10 40
10	0 37	9 54	1 17	10 31	2 7	11 24
11	1 15	10 30	1 53	11 7	2 52	.....
12	1 52	11 4	2 32	11 49	3 45	0 44
13	2 28	11 42	3 15	0 13	4 47	1 46
14	3 6	0 3	4 5	1 4	5 57	2 55
15	3 48	0 47	5 4	2 2	7 8	4 5
16	4 36	1 35	6 13	3 11	8 14	5 10
17	5 33	2 31	7 24	4 21	9 13	6 11
18	6 37	3 34	8 34	5 31	10 8	7 5
19	7 43	4 40	9 36	6 34	10 56	7 50
20	8 50	5 47	10 33	7 29	11 41	8 37
21	9 52	6 50	11 20	8 14	0 3	9 24
22	10 50	7 45	.....	9 4	0 49	10 10
23	11 41	8 37	0 29	9 49	1 37	10 55
24	0 5	9 28	1 13	10 32	2 25	11 47
25	0 53	10 13	1 59	11 17	3 16	0 14
26	1 39	10 56	2 47	.....	4 10	1 10
27	2 25	11 45	3 38	0 37	5 9	2 7
28	3 12	0 10	4 36	1 35	6 8	3 5
29	4 4	1 3	5 38	2 36	7 3	4 1
30	5 2	2 0	6 40	3 38	7 56	4 52
31	6 3	3 1	7 40	4 37	.....	.....

HIGH TIDE.

(STANDARD TIME.)

Day of Mo.	OCTOBER.		NOVEMBER.		DECEMBER.	
	Bost. Tide.	N. Y. Tide.	Bost. Tide.	N. Y. Tide.	Bost. Tide.	N. Y. Tide.
	Morning.	Morning.	Morning.	Morning.	Morning.	Morning.
1	8 42	5 39	9 26	6 24	9 39	6 37
2	9 25	6 23	10 11	7 8	10 30	7 26
3	10 6	7 3	10 55	7 49	11 22	8 17
4	10 44	7 40	11 38	8 34	.....	9 9
5	11 21	8 16	0 0	9 23	0 36	9 59
6	11 59	8 56	0 49	10 10	1 26	10 47
7	0 19	9 39	1 38	10 58	2 17	11 37
8	1 3	10 23	2 29	11 52	3 6	0 4
9	1 50	11 9	3 23	0 21	3 58	0 57
10	2 39	.....	4 20	1 19	4 53	1 52
11	3 34	0 32	5 20	2 18	5 52	2 50
12	4 35	1 34	6 20	3 18	6 53	3 50
13	5 41	2 39	7 21	4 18	7 55	4 51
14	6 47	3 44	8 20	5 16	8 53	5 50
15	7 50	4 46	9 14	6 12	9 47	6 45
16	8 48	5 45	10 7	7 5	10 40	7 35
17	9 41	6 39	10 57	7 51	11 25	8 20
18	10 31	7 27	11 44	8 40	.....	9 7
19	11 17	8 11	0 7	9 29	0 31	9 50
20	.....	9 1	0 53	10 14	1 13	10 28
21	0 27	9 49	1 40	10 56	1 53	11 6
22	1 15	10 34	2 24	11 42	2 31	11 47
23	2 3	11 23	3 7	0 4	3 10	0 7
24	2 52	.....	3 51	0 50	3 51	0 49
25	3 41	0 40	4 38	1 36	4 35	1 34
26	4 33	1 32	5 26	2 24	5 25	2 22
27	5 25	2 23	6 15	3 13	6 19	3 16
28	6 17	3 14	7 7	4 3	7 16	4 13
29	7 8	4 4	7 59	4 55	8 15	5 13
30	7 57	4 53	8 49	5 47	9 13	6 13
31	8 42	5 39	.....	.....	10 13	7 10

TIDE TABLE.

(The following values are derived from late determinations of the UNITED STATES COAST SURVEY.)

To find the time (Standard Time) of High Water at any of the following places, add or subtract the hours and minutes opposite the name of place in the following Table, to or from the hours and minutes of High Water at NEW YORK for the required day, as found in the *Calendar Page*.

EASTERN STANDARD.		H.	M.	Mean range. Feet.
Eastport, Me.	add	2	33	18.2
Bar Harbor, Me.	"	2	24	10.4
Portland, Me.	"	2	55	9.1
Portsmouth, N. H.	"	3	3	8.6
Isle of Shoals, N. H.	"	2	57	8.7
Newburyport, Mass.	"	3	3	7.5
Gloucester, Mass.	"	2	42	8.9
Salem, Mass.	"	2	47	9.2
Nahant, Mass.	"	2	50	9.4
Plymouth, Mass.	"	2	59	10.2
Provincetown, Mass.	"	3	7	9.2
Nantucket, Mass.	"	4	6	3.0
Vineyard Haven, Mass.	"	3	32	1.6
Wood's Hole, North Side, Mass.	sub.	0	21	4.0
Wood's Hole, South Side, Mass.	add	0	14	1.6
New Bedford Entrance (Dumpling Rock), Mass.	sub.	0	22	3.7
Newport, R. I.	"	0	33	3.9
Point Judith, R. I.	"	0	45	3.1
Sandy Hook, N. J.	"	0	32	4.7
Watch Hill, R. I.	add	0	54	2.7
Stonnington, Conn.	"	0	52	2.7
New London, Conn.	"	1	14	2.6
New Haven, Conn.	"	2	57	6.0
Bridgeport, Conn.	"	2	59	6.5
Montauk Point, L. I.	"	0	4	1.9
Throg's Neck, N. Y.	"	3	13	7.3
Cape May Landing, N. J.	"	0	14	4.8
Newcastle, Del.	"	3	52	6.5
Philadelphia, Penn.	"	5	46	6.0
Annapolis, Md.	sub.	3	18	0.9
Baltimore, Md.	"	1	23	1.3
Richmond, Va.	"	3	24	3.6
Hatteras Inlet, N. C.	"	0	56	2.0
Beaufort, N. C.	"	0	35	2.8
Charleston (C. H. Wharf), S. C.	"	0	19	5.1
CENTRAL STANDARD.				
Fort Pulaski (Savannah Ent.), Ga.	sub.	1	21	6.9
Savannah (Dry Dock Wharf), Ga.	"	0	26	6.5
St. Augustine, Fla.	"	0	17	4.2
Key West, Fla.	add	0	54	1.2
Tampa Bay (Egmont Key), Fla.	"	2	49	1.4
Cedar Keys (Depot Key), Fla.	"	4	52	2.6

FESTIVALS AND FASTS.

Epiphany	Jan. 6
Septuagesima Sunday	Jan. 29
Quinquagesima — Shrove Sunday	Feb. 12
Ash Wednesday	Feb. 15
First Sunday in Lent	Feb. 19
St. Patrick	Mar. 17
Palm Sunday	Mar. 26
Good Friday	Mar. 31
Easter Sunday	April 2
Low Sunday	April 9
Rogation Sunday	May 7
Ascension Day — Holy Thursday	May 11
Pentecost — Whit Sunday	May 21
Trinity Sunday	May 28
Corpus Christi	June 1
St. John Baptist	June 24
Michælmas Day	Sept. 29
St. Andrew	Nov. 30
First Sunday in Advent	Dec. 3
Christmas Day	Dec. 25

MORNING AND EVENING STARS.

MERCURY will be Morning Star about January 11, May 9, September 5 and December 25; and Evening Star about March 24, July 22 and November 16.

VENUS will be Morning Star till September 15; then Evening Star the rest of the year.

JUPITER will be Morning Star till April 25; then Evening Star till November 12; and then Morning Star again the rest of the year.

THE SEASONS.

	Eastern Standard.	Central Standard.
Vernal Equinox	Mar. 20, 2h. A.	Mar. 20, 1h. A.
Summer Solstice	June 21, 10h. M.	June 21, 9h. M.
Autumnal Equinox	Sept. 23, 1h. M.	Sept. 23, 0h. M.
Winter Solstice	Dec. 21, 7h. A.	Dec. 21, 6h. A.

	Mountain Standard.	Pacific Standard.
Vernal Equinox	Mar. 20, 0h. A.	Mar. 20, 11h. M.
Summer Solstice	June 21, 8h. M.	June 21, 7h. M.
Autumnal Equinox	Sept. 22, 11h. A.	Sept. 22, 10h. A.
Winter Solstice	Dec. 21, 5h. A.	Dec. 21, 4h. A.

ECLIPSES FOR THE YEAR.

In the year 1899 there will be five Eclipses,—three of the Sun and two of the Moon.

I. A Partial Eclipse of the Sun, January 11-12. Visible to the northwestern corner of North America, Kamtchatka, Japan and the North Pacific Ocean.

II. A Partial Eclipse of the Sun, June 7-8. Visible to western and northern Europe, northern Asia, Alaska, Greenland and the north Polar Sea.

III. A Total Eclipse of the Moon, June 23-24. Visible more or less to Asia, Australia, eastern Africa, the western coast of North America, and the Pacific Ocean.

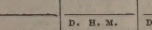
IV. An Annular Eclipse of the Sun, December 2-3. Visible generally as a partial eclipse to the South Pole and adjoining oceans, as also to the southwestern corner of Australia, Van Dieman's Land and New Zealand.

V. A Partial Eclipse of the Moon, December 16-17. Visible more or less to North and South America, Europe, Asia, Africa and the Atlantic Ocean. Occurring as follows: —

	Eastern.	Central.	Mountain.
	D. H. M.	D. H. M.	D. H. M.
Moon enters Penumbra	16 5 33 A	16 4 33 A	16 3 33 A
Moon enters Shadow	16 6 45 A	16 5 45 A	16 4 45 A
Middle of Eclipse	16 8 26 A	16 7 26 A	16 6 26 A
Moon leaves Shadow	16 10 7 A	16 9 7 A	16 8 7 A
Moon leaves Penumbra	16 11 19 A	16 10 19 A	16 9 19 A

First contact of shadow, 66 degrees from north point of the Moon's limb toward the east.

Magnitude of eclipse = 0.996 (Moon's diameter = 1).



CHRONOLOGICAL CYCLES.

Dominical Letter	A
Epact	18
Lunar Cycle, or Golden Number	19
Solar Cycle	4
Roman Indiction	12
Julian Period	6612

The Calendars for the Latitude of Boston and Chicago

May be used for Central and Southern New England, Central New York, Southern Michigan, Southern Wisconsin, Northern Iowa, Northern Nebraska, South Dakota, and Wyoming.

The Calendars for the Latitude of New York and Philadelphia

May be used for Southern New York, New Jersey, Pennsylvania, Northern Ohio, Northern Indiana, Northern Illinois, Southern Iowa, and Southern Nebraska.

The Calendars for the Latitude of Washington, Cincinnati, etc.

May be used for Delaware, Maryland, the Virginias, Southern Ohio, Southern Indiana, Southern Illinois, Kentucky, Missouri, Kansas, and Colorado.

THE SIZE OF THE SEAS.

	Miles long.
Mediterranean	2,000
Caribbean	1,800
Red	1,400
Black	932
Baltic	600

AREA OF OCEANS IN SQ. MILES.

Pacific	80,000,000
Atlantic	40,000,000
Indian	20,000,000
Southern	10,000,000
Arctic	5,000,000

SIZE OF THE GREAT LAKES.

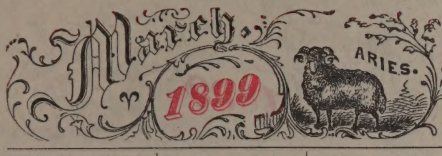
	Miles long.	Miles wide.
Superior	380	120
Michigan	330	60
Ontario	170	40
Champlain	123	12
Erie	270	50
Huron	250	90
Winnipeg	240	40
Athabaska	200	20

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
Last Quarter..	4d. 10h. 21m. A.	4d. 9h. 21m. A.
New Moon.....	11d. 5h. 49m. A.	11d. 4h. 49m. A.
First Quarter..	18d. 11h. 36m. M.	18d. 10h. 36m. M.
Full Moon	26d. 2h. 34m. A.	26d. 1h. 34m. A.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. Sun R.&S.	Moon R.&S.
1	S	7 30	9 24	7 25	9 25	7 19	9 27
2	Mo.	4 39	10 25	4 44	10 25	4 50	10 26
3	Tu.	7 30	11 27	7 25	11 26	7 19	11 25
4	We.	4 40	morn	4 46	morn	4 51	morn
5	Th.	7 30	0 31	7 25	0 29	7 19	0 27
6	Fr.	4 43	1 39	4 48	1 35	4 53	1 33
7	Sa.	7 30	2 50	7 25	2 45	7 19	2 41
8	S	4 45	4 2	4 50	3 57	4 55	3 51
9	Mo.	7 29	5 11	7 24	5 5	7 19	4 59
10	Tu.	4 47	6 13	4 52	6 7	4 57	6 1
11	We.	7 28	sets.	7 24	sets.	7 19	sets.
12	Th.	4 49	6 5	4 54	6 9	4 59	6 13
13	Fr.	7 28	7 24	7 23	7 26	7 18	7 30
14	Sa.	4 51	8 41	4 56	8 42	5 1	8 44
15	S	7 27	9 54	7 22	9 54	7 17	9 54
16	Mo.	4 53	11 5	4 58	11 3	5 3	11 3
17	Tu.	7 26	morn	7 21	morn	7 17	morn
18	We.	4 56	0 14	5 1	0 11	5 6	0 9
19	Th.	7 25	1 21	7 20	1 17	7 16	1 13
20	Fr.	4 58	2 26	5 3	2 21	5 8	2 16
21	Sa.	7 24	3 28	7 19	3 22	7 15	3 17
22	S	5 1	4 24	5 6	4 18	5 10	4 12
23	Mo.	7 22	5 13	7 18	5 7	7 14	5 1
24	Tu.	5 3	5 56	5 8	5 51	5 12	5 45
25	We.	7 21	6 32	7 17	6 27	7 12	6 22
26	Th.	5 6	rises.	5 10	rises.	5 14	rises.
27	Fr.	7 19	6 16	7 15	6 19	7 11	6 22
28	Sa.	5 8	7 16	5 12	7 17	5 17	7 20
29	S	7 17	8 18	7 13	8 18	7 9	8 20
30	Mo.	5 12	9 20	5 15	9 19	5 19	9 19
31	Tu.	7 15	10 23	7 11	10 21	7 8	10 20

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
Last Quarter...	3d. 0h. 24m. A.	3d. 11h. 24m. M.
New Moon.....	10d. 4h. 31m. M.	10d. 3h. 31m. M.
First Quarter..	17d. 3h. 52m. M.	17d. 2h. 52m. M.
Full Moon.....	25d. 9h. 16m. M.	25d. 8h. 16m. M.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. Sun R.&S.	Moon R.&S.
1	We.	7 14	11 28	7 10	11 25	7 7	11 23
2	Th.	5 15	morn	5 19	morn	5 23	morn
3	Fr.	7 12	0 35	7 9	0 31	7 5	0 27
4	Sa.	5 18	1 43	5 21	1 38	5 25	1 33
5	☽	7 10	2 51	7 7	2 45	7 3	2 39
6	Mo.	5 20	3 55	5 24	3 49	5 27	3 43
7	Tu.	7 8	4 52	7 4	4 46	7 1	4 41
8	We.	5 23	5 40	5 26	5 35	5 29	5 30
9	Th.	7 6	6 19	7 2	6 15	6 59	6 12
10	Fr.	5 26	sets.	5 29	sets.	5 32	sets.
11	Sa.	7 2	7 27	7 0	7 27	6 57	7 29
12	☽	5 28	8 43	5 31	8 42	5 34	8 42
13	Mo.	7 0	9 56	6 57	9 54	6 54	9 52
14	Tu.	5 31	11 6	5 33	11 2	5 36	10 59
15	We.	6 58	morn	6 54	morn	6 52	morn
16	Th.	5 33	0 13	5 36	0 8	5 38	0 4
17	Fr.	6 55	1 17	6 52	1 12	6 49	1 6
18	Sa.	5 36	2 16	5 38	2 10	5 41	2 4
19	☽	6 52	3 8	6 49	3 2	6 47	2 56
20	Mo.	5 38	3 53	5 41	3 47	5 43	3 42
21	Tu.	6 49	4 32	6 46	4 27	6 44	4 22
22	We.	5 41	5 5	5 43	5 1	5 45	4 56
23	Th.	6 46	5 33	6 43	5 30	6 41	5 26
24	Fr.	5 43	5 58	5 46	5 56	5 47	5 54
25	Sa.	6 43	rises.	6 40	rises.	6 39	rises.
26	☽	5 46	7 12	5 48	7 12	5 50	7 12
27	Mo.	6 39	8 16	6 38	8 14	6 36	8 14
28	Tu.	5 48	9 21	5 50	9 18	5 52	9 17
..	.....	.....	.....	.....	.....	.....	.....
..	.....	.....	.....	.....	.....	.....	.....
..	.....	.....	.....	.....	.....	.....	.....



MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
Last Quarter...	4d. 11h. 6m. A.	4d. 10h. 6m. A.
New Moon.....	11d. 2h. 53m. A.	11d. 1h. 53m. A.
First Quarter..	18d. 10h. 24m. A.	18d. 9h. 24m. A.
Full Moon.....	27d. 1h. 18m. M.	27d. 0h. 18m. M.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. SUN R.&S.	MOON R.&S.
1	We.	r6 36	10 27	r6 35	10 23	r6 33	10 19
2	Th.	s5 51	11 34	s5 52	11 29	s5 54	11 24
3	Fr.	r6 33	morn	r6 31	morn	r6 30	morn
4	Sa.	s5 53	0 41	s5 54	0 35	s5 56	0 30
5	♋	r6 30	1 45	r6 28	1 39	r6 27	1 33
6	Mo.	s5 56	2 42	s5 57	2 36	s5 58	2 30
7	Tu.	r6 27	3 31	r6 25	3 26	r6 24	3 21
8	We.	s5 58	4 13	s5 59	4 9	s6 0	4 5
9	Th.	r6 23	4 49	r6 22	4 46	r6 21	4 44
10	Fr.	s6 ☉	5 20	s6 1	5 18	s6 2	5 18
11	Sa.	r6 19	sets.	r6 19	sets.	r6 18	sets.
12	♋	s6 3	7 29	s6 3	7 27	s6 4	7 27
13	Mo.	r6 16	8 42	r6 15	8 39	r6 15	8 37
14	Tu.	s6 5	9 53	s6 5	9 49	s6 6	9 45
15	We.	r6 13	11 1	r6 12	10 56	r6 12	10 51
16	Th.	s6 7	morn	s6 7	11 58	s6 8	11 53
17	Fr.	r6 9	0 4	r6 9	morn	r6 9	morn
18	Sa.	s6 10	1 0	s6 10	0 54	s6 10	0 48
19	♋	r6 6	1 49	r6 6	1 43	r6 6	1 37
20	Mo.	s6 12	2 30	s6 12	2 25	s6 12	2 19
21	Tu.	r6 2	3 5	r6 2	3 0	r6 2	2 56
22	We.	s6 14	3 35	s6 14	3 31	s6 14	3 29
23	Th.	r5 59	4 2	r5 59	3 59	r5 59	3 58
24	Fr.	s6 16	4 26	s6 16	4 24	s6 16	4 24
25	Sa.	r5 55	4 49	r5 56	4 48	r5 56	4 49
26	♋	s6 19	5 12	s6 18	5 13	s6 18	5 14
27	Mo.	r5 52	rises.	r5 52	rises.	r5 53	rises.
28	Tu.	s6 21	8 16	s6 20	8 13	s6 19	8 10
29	We.	r5 48	9 25	r5 49	9 21	r5 50	9 16
30	Th.	s6 23	10 33	s6 22	10 28	s6 21	10 22
31	Fr.	r5 45	11 38	r5 46	11 32	r5 47	11 26

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
Last Quarter..	3d. 6h. 55m. M.	3d. 5h. 55m. M.
New Moon.....	10d. 1h. 21m. M.	10d. 0h. 21m. M.
First Quarter..	17d. 5h. 43m. A.	17d. 4h. 43m. A.
Full Moon	25d. 2h. 22m. A.	25d. 1h. 22m. A.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. SUN R.&S.	MOON R.&S.
1	Sa.	r5 43	morn	r5 44	morn	r5 46	morn
2	☽	s6 26	0 36	s6 25	0 30	s6 24	0 24
3	Mo.	r5 40	1 27	r5 41	1 22	r5 42	1 16
4	Tu.	s6 29	2 10	s6 27	2 6	s6 26	2 1
5	We.	r5 36	2 47	r5 38	2 44	r5 39	2 41
6	Th.	s6 31	3 19	s6 29	3 17	s6 28	3 16
7	Fr.	r5 33	3 48	r5 35	3 47	r5 36	3 47
8	Sa.	s6 33	4 15	s6 32	4 15	s6 30	4 17
9	☽	r5 30	4 42	r5 31	4 44	r5 33	4 46
10	Mo.	s6 36	sets.	s6 34	sets.	s6 32	sets.
11	Tu.	r5 26	8 41	r5 28	8 36	r5 30	8 32
12	We.	s6 38	9 48	s6 36	9 43	s6 34	9 37
13	Th.	r5 23	10 48	r5 25	10 42	r5 27	10 36
14	Fr.	s6 40	11 40	s6 38	11 34	s6 36	11 28
15	Sa.	r5 20	morn	r5 22	morn	r5 24	morn
16	☽	s6 42	0 24	s6 40	0 19	s6 38	0 13
17	Mo.	r5 16	1 1	r5 19	0 56	r5 21	0 51
18	Tu.	s6 44	1 33	s6 42	1 29	s6 40	1 25
19	We.	r5 13	2 2	r5 16	1 59	r5 18	1 57
20	Th.	s6 47	2 28	s6 44	2 26	s6 42	2 25
21	Fr.	r5 10	2 51	r5 13	2 50	r5 16	2 50
22	Sa.	s6 49	3 14	s6 46	3 14	s6 44	3 15
23	☽	r5 7	3 37	r5 10	3 38	r5 13	3 41
24	Mo.	s6 51	4 2	s6 48	4 4	s6 46	4 8
25	Tu.	r5 4	rises.	r5 7	rises.	r5 10	rises.
26	We.	s6 53	8 19	s6 50	8 14	s6 48	8 9
27	Th.	r5 1	9 27	r5 4	9 21	r5 8	9 16
28	Fr.	s6 56	10 30	s6 52	10 24	s6 49	10 18
29	Sa.	r4 59	11 24	r5 2	11 19	r5 5	11 13
30	☽	s6 58	morn	s6 54	morn	s6 51	morn
...	....	.....	.....	.....	.....	.....	.....

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
Last Quarter...	2d. oh. 46m. A.	2d. 11h. 46m. M.
New Moon.....	9d. oh. 38m. A.	9d. 11h. 38m. M.
First Quarter..	17d. oh. 13m. A.	17d. 11h. 13m. M.
Full Moon.....	25d. oh. 49m. M.	24d. 11h. 49m. A.
Last Quarter. .	31d. 5h. 54m. A.	31d. 4h. 54m. A.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. SUN R.&S.	MOON R.&S.
1	Mo.	r4 56	0 9	r4 59	0 4	r5 3	0 0
2	Tu.	s7 0	0 47	s6 57	0 43	s6 53	0 41
3	We.	r4 53	1 20	r4 57	1 18	r5 0	1 16
4	Th.	s7 2	1 49	s6 59	1 48	s6 55	1 47
5	Fr.	r4 50	2 16	r4 54	2 16	r4 58	2 17
6	Sa.	s7 4	2 43	s7 1	2 44	s6 57	2 46
7	♋	r4 48	3 12	r4 52	3 14	r4 56	3 18
8	Mo.	s7 7	3 43	s7 3	3 47	s6 59	3 51
9	Tu.	r4 45	sets.	r4 49	sets.	r4 54	sets.
10	We.	s7 9	8 33	s7 5	8 27	s7 1	8 22
11	Th.	r4 43	9 30	r4 47	9 24	r4 52	9 18
12	Fr.	s7 11	10 18	s7 7	10 12	s7 2	10 7
13	Sa.	r4 41	10 58	r4 45	10 53	r4 50	10 48
14	♋	s7 13	11 32	s7 9	11 28	s7 4	11 24
15	Mo.	r4 39	morn	r4 43	11 59	r4 48	11 56
16	Tu.	s7 15	0 2	s7 11	morn	s7 6	morn
17	We.	r4 37	0 28	r4 41	0 26	r4 46	0 24
18	Th.	s7 17	0 52	s7 13	0 51	s7 8	0 50
19	Fr.	r4 35	1 15	r4 40	1 15	r4 44	1 13
20	Sa.	s7 19	1 38	s7 14	1 39	s7 9	1 41
21	♋	r4 33	2 3	r4 38	2 5	r4 43	2 8
22	Mo.	s7 21	2 31	s7 16	2 34	s7 11	2 38
23	Tu.	r4 31	3 3	r4 36	3 7	r4 41	3 12
24	We.	s7 23	3 42	s7 18	3 47	s7 13	3 53
25	Th.	r4 30	rises.	r4 35	rises.	r4 40	rises.
26	Fr.	s7 25	9 16	s7 20	9 10	s7 14	9 5
27	Sa.	r4 29	10 6	r4 34	10 1	r4 39	9 56
28	♋	s7 27	10 48	s7 21	10 44	s7 16	10 40
29	Mo.	r4 27	11 23	r4 33	11 20	r4 38	11 18
30	Tu.	s7 28	11 53	s7 23	11 51	s7 18	11 51
31	We.	r4 26	morn	r4 32	morn	r4 37	morn

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
New Moon.....	8d. 1h. 20m. M.	8d. 0h. 20m. M.
First Quarter..	16d. 4h. 46m. M.	16d. 3h. 46m. M.
Full Moon	23d. 9h. 20m. M.	23d. 8h. 20m. M.
Last Quarter...	29d. 11h. 45m. A.	29d. 10h. 45m. A.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. SUN R.&S.	MOON R.&S.
1	Th.	r4 26	0 21	r4 31	0 21	r4 36	0 21
2	Fr.	s7 30	0 48	s7 25	0 49	s7 20	0 51
3	Sa.	r4 25	1 15	r4 30	1 17	r4 36	1 20
4	S	s7 32	1 44	s7 27	1 47	s7 21	1 51
5	Mo.	r4 24	2 17	r4 29	2 21	r4 35	2 26
6	Tu.	s7 33	2 55	s7 28	3 0	s7 22	3 6
7	We.	r4 23	3 39	r4 29	3 45	r4 34	3 51
8	Th.	s7 35	sets.	s7 29	sets.	s7 23	sets.
9	Fr.	r4 23	8 54	r4 28	8 49	r4 34	8 43
10	Sa.	s7 36	9 31	s7 30	9 26	s7 24	9 22
11	S	r4 22	10 3	r4 28	9 59	r4 34	9 57
12	Mo.	s7 37	10 31	s7 31	10 28	s7 25	10 27
13	Tu.	r4 22	10 55	r4 28	10 53	r4 34	10 53
14	We.	s7 38	11 18	s7 32	11 17	s7 26	11 18
15	Th.	r4 22	11 40	r4 28	11 40	r4 34	11 42
16	Fr.	s7 38	morn	s7 33	morn	s7 27	morn
17	Sa.	r4 22	0 3	r4 28	0 4	r4 34	0 7
18	S	s7 39	0 29	s7 33	0 32	s7 28	0 35
19	Mo.	r4 23	0 58	r4 28	1 2	r4 34	1 6
20	Tu.	s7 40	1 33	s7 34	1 38	s7 28	1 43
21	We.	r4 23	2 17	r4 29	2 22	r4 34	2 29
22	Th.	s7 40	3 12	s7 34	3 18	s7 29	3 25
23	Fr.	r4 23	rises.	r4 29	rises.	r4 35	rises.
24	Sa.	s7 40	8 43	s7 35	8 39	s7 29	8 34
25	S	r4 24	9 22	r4 30	9 19	r4 35	9 16
26	Mo.	s7 40	9 55	s7 35	9 53	s7 29	9 52
27	Tu.	r4 25	10 24	r4 30	10 23	r4 36	10 23
28	We.	s7 40	10 51	s7 35	10 52	s7 29	10 53
29	Th.	r4 25	11 19	r4 31	11 21	r4 37	11 23
30	Fr.	s7 40	11 48	s7 35	11 51	s7 29	11 55
..	....	.....	.....	.....	.....	.....	.....

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
New Moon.....	7d. 3h. 31m. A.	7d. 2h. 31m. A.
First Quarter..	15d. 6h. 59m. A.	15d. 5h. 59m. A.
Full Moon.....	22d. 4h. 41m. A.	22d. 3h. 41m. A.
Last Quarter. .	29d. 7h. 42m. M.	29d. 6h. 42m. M.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. Sun R.&S.	Moon R.&S.
1	Sa.	4 26	morn	4 32	morn	4 38	morn
2	☌	4 40	0 20	4 35	0 24	4 29	0 29
3	Mo.	4 27	0 56	4 33	1 1	4 39	1 6
4	Tu.	4 40	1 37	4 34	1 42	4 29	1 49
5	We.	4 29	2 24	4 34	2 30	4 40	2 37
6	Th.	4 40	3 17	4 34	3 23	4 28	3 29
7	Fr.	4 30	sets.	4 36	sets.	4 41	sets.
8	Sa.	4 39	8 6	4 33	8 2	4 27	7 59
9	☌	4 31	8 34	4 37	8 31	4 42	8 29
10	Mo.	4 38	8 59	4 32	8 57	4 27	8 56
11	Tu.	4 33	9 22	4 38	9 21	4 44	9 21
12	We.	4 37	9 44	4 32	9 44	4 26	9 45
13	Th.	4 34	10 7	4 40	10 8	4 45	10 10
14	Fr.	4 36	10 31	4 31	10 33	4 25	10 36
15	Sa.	4 36	10 58	4 41	11 1	4 46	11 5
16	☌	4 35	11 30	4 29	11 34	4 24	11 39
17	Mo.	4 37	morn	4 43	morn	4 48	morn
18	Tu.	4 34	0 8	4 28	0 13	4 23	0 19
19	We.	4 39	0 55	4 44	1 1	4 49	1 7
20	Th.	4 32	1 53	4 27	1 59	4 21	2 6
21	Fr.	4 41	3 1	4 46	3 6	4 51	3 13
22	Sa.	4 30	rises	4 25	rises.	4 20	rises.
23	☌	4 43	7 53	4 48	7 50	4 53	7 49
24	Mo.	4 29	8 23	4 23	8 22	4 19	8 21
25	Tu.	4 45	8 53	4 49	8 53	4 54	8 54
26	We.	4 27	9 22	4 22	9 23	4 18	9 25
27	Th.	4 47	9 51	4 51	9 53	4 56	9 57
28	Fr.	4 25	10 22	4 20	10 26	4 15	10 30
29	Sa.	4 49	10 57	4 53	11 2	4 58	11 7
30	☌	4 23	11 37	4 18	11 42	4 13	11 49
31	Mo.	4 51	morn	4 55	morn	5 0	morn

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
New Moon.....	6d. 6h. 48m. M.	6d. 5h. 48m. M.
First Quarter..	14d. 6h. 54m. M.	14d. 5h. 54m. M.
Full Moon	20d. 11h. 45m. A.	20d. 10h. 45m. A.
Last Quarter...	27d. 6h. 57m. A.	27d. 5h. 57m. A.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. SUN R.&S.	MOON R.&S.
1	Tu.	r4 52	0 22	r4 56	0 28	r5 0	0 34
2	We.	s7 19	1 13	s7 15	1 19	s7 10	1 26
3	Th.	r4 54	2 8	r4 58	2 13	r5 2	2 20
4	Fr.	s7 16	3 7	s7 12	3 12	s7 8	3 18
5	Sa.	r4 56	4 8	r5 0	4 12	r5 4	4 17
6	S	s7 14	sets.	s7 10	sets.	s7 6	sets.
7	Mo.	r4 58	7 29	r5 2	7 28	r5 5	7 27
8	Tu.	s7 11	7 50	s7 8	7 50	s7 4	7 50
9	We.	r5 0	8 12	r5 4	8 13	r5 7	8 14
10	Th.	s7 8	8 36	s7 5	8 38	s7 1	8 40
11	Fr.	r5 2	9 2	r5 5	9 5	r5 9	9 8
12	Sa.	s7 6	9 30	s7 2	9 34	s6 59	9 38
13	S	r5 4	10 4	r5 7	10 9	r5 11	10 14
14	Mo.	s7 3	10 46	s7 0	10 51	s6 56	10 58
15	Tu.	r5 6	11 38	r5 9	11 44	r5 13	11 50
16	We.	s7 0	morn	s6 57	morn	s6 54	morn
17	Th.	r5 8	0 40	r5 11	0 46	r5 15	0 52
18	Fr.	s6 57	1 50	s6 54	1 55	s6 51	2 1
19	Sa.	r5 11	3 6	r5 13	3 10	r5 16	3 15
20	S	s6 54	4 26	s6 51	4 29	s6 49	4 33
21	Mo.	r5 13	rises.	r5 15	rises.	r5 18	rises.
22	Tu.	s6 51	7 21	s6 48	7 22	s6 45	7 23
23	We.	r5 15	7 50	r5 17	7 52	r5 20	7 55
24	Th.	s6 48	8 22	s6 45	8 25	s6 43	8 29
25	Fr.	r5 17	8 57	r5 19	9 1	r5 22	9 6
26	Sa.	s6 44	9 36	s6 42	9 41	s6 40	9 47
27	S	r5 19	10 20	r5 21	10 25	r5 24	10 32
28	Mo.	s6 41	11 9	s6 39	11 15	s6 37	11 21
29	Tu.	r5 21	morn	r5 23	morn	r5 25	morn
30	We.	s6 38	0 3	s6 36	0 8	s6 34	0 15
31	Th.	r5 23	1 1	r5 25	1 6	r5 27	1 12

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
New Moon.....	4d. 10h. 33m. A.	4d. 9h. 33m. A.
First Quarter..	12d. 4h. 49m. A.	12d. 3h. 49m. A.
Full Moon	19d. 7h. 31m. M.	19d. 6h. 31m. M.
Last Quarter...	26d. 10h. 2m. M.	26d. 9h. 2m. M.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. Sun R.&S.	Moon R.&S.
1	Fr.	r5 24	2 1	r5 26	2 5	r5 28	2 10
2	Sa.	s6 33	3 1	s6 31	3 4	s6 29	3 9
3	S	r5 26	4 1	r5 28	4 3	r5 30	4 7
4	Mo.	s6 29	5 1	s6 28	5 2	s6 26	5 5
5	Tu.	r5 28	sets.	r5 30	sets.	r5 32	sets.
6	We.	s6 26	6 42	s6 25	6 43	s6 23	6 46
7	Th.	r5 30	7 6	r5 32	7 8	r5 34	7 12
8	Fr.	s6 23	7 35	s6 21	7 38	s6 20	7 43
9	Sa.	r5 33	8 8	r5 34	8 12	r5 35	8 18
10	S	s6 19	8 46	s6 18	8 51	s6 17	8 57
11	Mo.	r5 35	9 32	r5 36	9 37	r5 37	9 44
12	Tu.	s6 16	10 28	s6 15	10 34	s6 14	10 40
13	We.	r5 37	11 33	r5 38	11 38	r5 39	11 45
14	Th.	s6 12	morn	s6 11	morn	s6 11	morn
15	Fr.	r5 39	0 44	r5 40	0 48	r5 41	0 54
16	Sa.	s6 9	2 0	s6 8	2 3	s6 7	2 8
17	S	r5 41	3 17	r5 42	3 19	r5 43	3 22
18	Mo.	s6 5	4 35	s6 5	4 36	s6 4	4 38
19	Tu.	r5 43	rises.	r5 44	rises.	r5 44	rises.
20	We.	s6 2	6 17	s6 1	6 19	s6 1	6 23
21	Th.	r5 45	6 52	r5 46	6 56	r5 46	7 0
22	Fr.	s5 58	7 30	s5 58	7 35	s5 58	7 40
23	Sa.	r5 48	8 14	r5 48	8 19	r5 48	8 26
24	S	s5 54	9 3	s5 55	9 9	s5 54	9 15
25	Mo.	r5 50	9 56	r5 50	10 1	r5 50	10 8
26	Tu.	s5 51	10 53	s5 51	10 58	s5 51	11 4
27	We.	r5 52	11 52	r5 52	11 56	r5 52	morn
28	Th.	s5 47	morn	s5 48	morn	s5 48	0 2
29	Fr.	r5 54	0 52	r5 54	0 56	r5 53	1 0
30	Sa.	s5 44	1 52	s5 44	1 55	s5 45	1 58

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
New Moon.....	4d. 2h. 14m. A.	4d. 1h. 14m. A.
First Quarter..	12d. 1h. 9m. M.	12d. 0h. 9m. M.
Full Moon.....	18d. 5h. 4m. A.	18d. 4h. 4m. A.
Last Quarter. .	26d. 4h. 40m. M.	26d. 3h. 40m. M.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. Sun R.&S.	Moon R.&S.
1	S	r5 56	2 51	r5 56	2 53	r5 55	2 55
2	Mo.	s5 40	3 51	s5 41	3 52	s5 42	3 53
3	Tu.	r5 58	4 52	r5 58	4 51	r5 57	4 52
4	We.	s5 37	5 52	s5 38	5 50	s5 39	5 50
5	Th.	r6 1	sets.	r6 0	sets.	r5 59	sets.
6	Fr.	s5 34	6 10	s5 35	6 14	s5 36	6 19
7	Sa.	r6 3	6 47	r6 2	6 52	r6 1	6 58
8	S	s5 30	7 31	s5 31	7 36	s5 33	7 43
9	Mo.	r6 5	8 23	r6 4	8 29	r6 3	8 35
10	Tu.	s5 27	9 24	s5 28	9 29	s5 30	9 36
11	We.	r6 7	10 32	r6 6	10 37	r6 5	10 42
12	Th.	s5 24	11 44	s5 25	11 48	s5 27	11 52
13	Fr.	r6 10	morn	r6 8	morn	r6 7	morn
14	Sa.	s5 20	0 58	s5 22	1 1	s5 24	1 4
15	S	r6 12	2 12	r6 11	2 13	r6 9	2 16
16	Mo.	s5 17	3 27	s5 19	3 27	s5 21	3 28
17	Tu.	r6 15	4 42	r6 13	4 41	r6 11	4 40
18	We.	s5 14	5 57	s5 16	5 54	s5 18	5 53
19	Th.	r6 17	rises.	r6 15	rises.	r6 13	rises.
20	Fr.	s5 11	6 5	s5 13	6 10	s5 15	6 16
21	Sa.	r6 20	6 53	r6 17	6 58	r6 15	7 5
22	S	s5 8	7 46	s5 10	7 51	s5 12	7 58
23	Mo.	r6 22	8 43	r6 19	8 48	r6 17	8 54
24	Tu.	s5 5	9 42	s5 7	9 47	s5 10	9 52
25	We.	r6 24	10 42	r6 22	10 46	r6 19	10 51
26	Th.	s5 2	11 42	s5 5	11 45	s5 7	11 49
27	Fr.	r6 26	morn	r6 24	morn	r6 21	morn
28	Sa.	s4 59	0 42	s5 2	0 44	s5 5	0 47
29	S	r6 29	1 41	r6 26	1 42	r6 24	1 44
30	Mo.	s4 57	2 40	s4 59	2 40	s5 2	2 41
31	Tu.	r6 32	3 41	r6 28	3 40	r6 26	3 40

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
New Moon.....	3d. 5h. 26m. M.	3d. 4h. 26m. M.
First Quarter..	10d. 8h. 35m. M.	10d. 7h. 35m. M.
Full Moon	17d. 5h. 18m. M.	17d. 4h. 18m. M.
Last Quarter...	25d. 1h. 34m. M.	25d. oh. 34m. M.

Day.	Day of W'k.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. Sun R.&S.	Moon R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. Sun R.&S.	Moon R.&S.
1	We.	r6 33	4 44	r6 30	4 42	r6 27	4 41
2	Th.	s4 53	5 47	s4 56	5 44	s4 59	5 42
3	Fr.	r6 35	sets.	r6 32	sets.	r6 29	sets.
4	Sa.	s4 50	5 29	s4 53	5 34	s4 57	5 40
5	S	r6 38	6 20	r6 35	6 25	r6 31	6 32
6	Mo.	s4 48	7 19	s4 51	7 24	s4 55	7 31
7	Tu.	r6 41	8 25	r6 37	8 30	r6 33	8 36
8	We.	s4 45	9 35	s4 49	9 39	s4 53	9 44
9	Th.	r6 43	10 47	r6 39	10 50	r6 36	10 54
10	Fr.	s4 43	11 59	s4 47	morn	s4 51	morn
11	Sa.	r6 45	morn	r6 42	0 1	r6 38	0 4
12	S	s4 41	1 12	s4 45	1 13	s4 49	1 14
13	Mo.	r6 48	2 25	r6 44	2 24	r6 40	2 24
14	Tu.	s4 39	3 37	s4 43	3 35	s4 47	3 34
15	We.	r6 50	4 49	r6 46	4 46	r6 42	4 44
16	Th.	s4 38	6 1	s4 42	5 57	s4 46	5 53
17	Fr.	r6 53	rises.	r6 49	rises.	r6 45	rises.
18	Sa.	s4 36	5 32	s4 40	5 37	s4 44	5 44
19	S	r6 55	6 28	r6 51	6 33	r6 47	6 41
20	Mo.	s4 34	7 28	s4 39	7 33	s4 43	7 39
21	Tu.	r6 58	8 29	r6 54	8 33	r6 49	8 38
22	We.	s4 33	9 30	s4 38	9 33	s4 42	9 38
23	Th.	r7 0	10 30	r6 56	10 32	r6 51	10 36
24	Fr.	s4 32	11 29	s4 37	11 30	s4 41	11 33
25	Sa.	r7 3	morn	r6 58	morn	r6 53	morn
26	S	s4 31	0 28	s4 36	0 28	s4 40	0 30
27	Mo.	r7 5	1 27	r7 0	1 26	r6 55	1 26
28	Tu.	s4 30	2 28	s4 35	2 26	s4 39	2 25
29	We.	r7 7	3 31	r7 2	3 28	r6 57	3 25
30	Th.	s4 29	4 36	s4 34	4 32	s4 39	4 28
..	.....	.....	.....	.....	.....	.....	.....

MOON'S PHASES. (In Standard Time.)	EAST'N DIVISION.	CENT. DIVISION.
New Moon.....	2d. 7h. 47m. A.	2d. 6h. 47m. A.
First Quarter..	9d. 4h. 2m. A.	9d. 3h. 2m. A.
Full Moon.....	16d. 8h. 31m. A.	16d. 7h. 31m. A.
Last Quarter. .	24d. 10h. 57m. A.	24d. 9h. 57m. A.

Day.	Day of Wk.	LATITUDE OF BOSTON AND CHICAGO. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF NEW YORK AND PHILA. Local Mean Time. SUN R.&S.	MOON R.&S.	LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time. SUN R.&S.	MOON R.&S.
1	Fr.	7 9	5 41	7 4	5 36	6 58	5 32
2	Sa.	4 28	6 46	4 33	6 41	4 38	6 35
3	S	7 11	sets.	7 6	sets.	7 0	sets.
4	Mo.	4 28	6 14	4 33	6 19	4 38	6 25
5	Tu.	7 14	7 25	7 8	7 29	7 2	7 35
6	We.	4 28	8 38	4 33	8 41	4 38	8 46
7	Th.	7 16	9 51	7 10	9 53	7 4	9 56
8	Fr.	4 28	11 3	4 33	11 4	4 38	11 6
9	Sa.	7 17	morn	7 12	morn	7 6	morn
10	S	4 28	0 15	4 33	0 15	4 38	0 15
11	Mo.	7 19	1 27	7 14	1 25	7 8	1 25
12	Tu.	4 28	2 38	4 33	2 35	4 39	2 34
13	We.	7 21	3 48	7 15	3 44	7 9	3 41
14	Th.	4 28	4 55	4 34	4 50	4 39	4 46
15	Fr.	7 22	5 59	7 17	5 54	7 11	5 48
16	Sa.	4 29	6 59	4 34	6 54	4 40	6 48
17	S	7 24	rises.	7 18	rises.	7 12	rises.
18	Mo.	4 29	6 15	4 35	6 20	4 41	6 25
19	Tu.	7 25	7 17	7 20	7 21	7 14	7 25
20	We.	4 30	8 17	4 36	8 20	4 41	8 23
21	Th.	7 26	9 17	7 21	9 19	7 15	9 21
22	Fr.	4 31	10 16	4 37	10 17	4 42	10 18
23	Sa.	7 27	11 15	7 22	11 15	7 16	11 15
24	S	4 32	morn	4 38	morn	4 43	morn
25	Mo.	7 28	0 14	7 22	0 13	7 17	0 12
26	Tu.	4 34	1 15	4 39	1 13	4 45	1 11
27	We.	7 29	2 18	7 23	2 15	7 18	2 11
28	Th.	4 35	3 22	4 40	3 18	4 46	3 13
29	Fr.	7 29	4 26	7 24	4 21	7 18	4 16
30	Sa.	4 36	5 30	4 42	5 25	4 47	5 19
31	S	7 30	6 30	7 24	6 25	7 19	6 19

Started to break road but found it did not need it; Hauled some lumber to finish ice house. Cold and Clear

Ther. MON. JAN. 2, 1899 Wea.

-14

Worked on ice house
Very cold but still

Ther. TUES. JAN. 3, 1899 Wea.

Furnished Wh house
and made run
warmer

Hauled ice in shed
14 in. pleasant day.

Ther. THURS. JAN. 5, 1899 Wea.

8 U

Finished hauling ice.
810 cakes. Very warm
and deep mud

Ther. MON. JAN. 9, 1899 Wea.

Hauled sawdust for
ice bought first
bags of H. Filton

Ther. WED. JAN. 11, 1899 Wea.

Do Fair

Began putting

Was going to Bye with Ed to Parsons but he did not come along. Went to Hampton and got lumber for shed and commenced on it.

Ther. TUES. JAN. 17, 1899 Wea.

warm

Worked in sled
Carried bss to Pt. depot

Fred sick helped do his chores.

Ther. THURS. JAN. 19, 1899 Wea.

Worked on sled doing
Freds. W.S and Lou's
chores

Warm Fair
Went to Exeter with Lodge
annual meeting

Finished sled and
painted it

Ther. FRI. JAN. 27, 1899 Wea.

Cold Clear

Went to Boston with
Ed Bowen stopped at
Newbury port. had my
watch cleaned
Had my eyes examined
by Dr. C Handler
Saw Cummings & Fred
Billings

Ther. SAT. JAN. 28, 1899 Wea.

At Zero

Visited the Library
Nat. Museum and
Drove Southern States

Ther. SUN. JAN. 29, 1899 Wea.

cold Clear

came home at 7 P.M.

Ther. MON. JAN. 30, 1899 Wea.

Cold Cloudy

Went to Hampton in the afternoon for bugs

Ther. FRI. FEB. 3, 1899 Wea.

Cloudy

Went to Sea book for bags
snowed at night.

Ther. SAT. FEB. 4, 1899 Wea.

Went to New pt. in my new sleigh first time used it carried over 2 bbls apples and 2 88 bags & 20 lbs jaunes for Knight. Bought bolt cutter and tea mats.

Ther. MON. FEB. 6, 1899 Wea.

Went to Kensington for toys
bought 8 to

Carried M. to slain
moved a little

Snow.

Ther. THURS. FEB. 9, 1899 Wea.

-10

Hard weather Wind & snow
We took road round
Curtis & J. C. S.

Ther. FRI. FEB. 10, 1899 Wea.

-4

Kept fire in cellar and
burn.

Hardest day all winter
Layed down altar.

Big snow storm.

Ther. TUES. FEB. 14, 1899 Wea.

cold

Burning wads

Ther. WED. FEB. 15, 1899 Wea.

Breaking roads

Finished breaking roads
shipped 17 bales of packs
to N.Y.
Sent 6 Ex. in forenoon

Went to Memphis in AM.
worked on pipe for Harry
bought some sacks

Ther. SAT. FEB. 18, 1899 Wea.

Went to Dr. Hampton for bags. bought 1200. Good sledding in A.M.
Louis left.

Ther. MON. FEB. 20, 1899 Wea.
warm

Andrew came.
Laid new floor in
horse stalls.

Went to Dracutport
on beam with apples.
ordered a screw for
press.

Went to Hartford & Penn

Went to N. in cars Got
press. Andrew fork load
of hay to Hughes 2.30.
Got Dolly shod pd.

Worked on press.

Ther. SAT. FEB. 25, 1899 Wea.

Went round Kensington
Seabrook and South Road
for bags. Cold & disagreeable.
Went up to Marions
to a Whist Club.

Hauled my apples
to Hampton Depot 36 lbs
heard going. Got Pels
shelled. Bought sacks
of J James & Tarlton. 82¢

Went to Hamplin in morning for lumber for rack for express wagon 35¢. Made same and baled sacks. Sold Dimels 100 sacks 8.00

Ther. WED. MAR. 1, 1899 Wea.

Warm Fair

Went to Dr. Hampton
Rye & Greenland for
sacks. bought 800
Chowe late hard travelling

Ther. THURS. MAR. 2, 1899 Wea.

Snowed

Went to Dr Hamplin
Exter and Hamplin
for sacks bought too

Baled up sacks
Went to depot got new
wheels banked them to
Hamplin. Recd
letter from Chase

Ther. SAT. MAR. 4, 1899 Wea.

Baked Beans.

Ther. SUN. MAR. 5, 1899 Wea.

Very dark and rainy
foggy nearly all day

Ther. MON. MAR. 6, 1899 Wea.

70 warm

Began putting up apples.
Down to Cove in P.M.
Hauled 30 bales of sacks
to depot at night never
saw worse mud.

Ther. TUES. MAR. 7, 1899 Wea.

warm

Boss gone. put up apples
Gale and snow.
Tobac 10¢

Ther. WED. MAR. 8, 1899 Wea.

cold & windy

Packed apples all day

Ther. THURS. MAR. 9, 1899 Wea.

Cloudy

Packed apples all day
Howard came

Ther. FRI. MAR. 10, 1899 Wea.

Pleasant

Went to Dr. Hampton and Strathan in A.M. bought 400 sacks. Hauled 23 bbls of Apples to H. in P.M. on a sled. Bad travelling. Wrote to C. J. Co

Ther. SAT. MAR. 11, 1899 Wea.

Cloudy

Hauled 90 bbls of apples
to Hampton fair going.
Alford stopped in the
"Office" at night took
Growse and left Jef.

Cloudy and rain snow melted rapidly. Went to Salisbury and Bonesburg in P.M.

Ther. MON. MAR. 13, 1899 Wea.

45. Fair

Packed apples all day
Hauled 70 bbls to Upton
at night.

Ther. TUES. MAR. 14, 1899 Wea.

Went to Town Meeting in A.M. Upto Club in P.M. & Eve Cold Clear day.

Packed apples all
day. Snow at night
Rec'd letter from
C. J. Co.

Packed apples all day
Clear and windy

Finished packing apples.
Cold and windy

Hauled 74 bbls. to depot-
Snow and saw wind
Big fire in Amesbury.

Ice storm roared most
of all day. Went on
to Coffins in P.M.

Ther. MON. MAR. 20, 1899 Wea.

Finished hauling apples on as sled 72 bbls. good going in A.M. Hauled the last of the blocking down to Dows. Hard going also very cold and windy.

Ther. TUES. MAR. 21, 1899 Wea.

Hauled a load of saw dust wood out of Fuds field and a load of second crop into piggery. Growing warmer towards night. Went up to Annanias Club.

Ther. WED. MAR. 22, 1899 Wea.

Snowed all day. Hauled a load of second crop into cow barn. Harry and Buzzel got a load of hay each. Went down to Fred's in aft and eve.

Ther. THURS. MAR. 23, 1899 Wea.

Snow in A.M. rain
in P.M. Pomonaat
Portsmouth did not
go atm acct of weather.
Hawes bot. cider apple.

Ther. FRI. MAR. 24, 1899 Wea.

Fair and cool good sleeping went to Hampton Ill & Ryl bot 600 bags. Sold E. G. Cole 500. Got home late

Ther. SAT. MAR. 25, 1899 Wea.

Went to Ex. Newfield
Stratham and bot 400
sacks. Good sleeding
and cold.

Ther. SUN. MAR. 26, 1899 Wea.

Snow in morning fair
in P.M. Heat sheaving
to S. in evening.

Ther. MON. MAR. 27, 1899 Wea.

Fair. Went to Ex Kingston & Rensselaer for bag. Good sleeping

Ther. TUES. MAR. 28, 1899 Wea.

Blue and cold
went to Ex. Stratham
and N. Hampton for
Lacks.

Solid logs in D.R.R.
Went to Portsmouth
in P.M. Very windy.
Saw Dr Ewlett.

Sorted logs in A.M.
Handled some logs
in P.M. Windy and
cold

Ther. FRI. MAR. 31, 1899 Wea.

Hauled logs in
A.M. Went to Auction
in P.M. I spoke to
Geo. Fitzgerald [illegible]

Ther. SAT. APRIL 1, 1899 Wea. Fair

Hauled Logs in A.M.
Headed and hauled
10 Bbls Russets to Hamptons
Got hair cut. Went to
Whist party in Eve.

Easter Sunday Fair and windy. Stayed home all day. Wrote to Rebe.

Fair. Head to Hampden
in A.M. Exposed pipe.
Hauled logs in P.M.

Fair. Went to E. Kingston with Fred to take down cider mill. Went to Kenneas in eve.

Ther. WED. APRIL 5, 1899 Wea.

Fair. Finished hauling logs. Carried harrow down to Mr. Towle pd $14.50

Ther. THURS. APRIL 6, 1899 Wea.

Sent to Dr Port with Andrew. Fair and warm.

Cloudy. Chopping in P.M.
Rain at night.

Ther. SAT. APRIL 8, 1899 Wea.

Warmest day of year
very dusty mud

Ther. SUN. APRIL 9, 1899 Wea.

Fair. Went 1 mile to
Howards in P.M.

Ther. MON. APRIL 10, 1899 Wea.

Fair Finished chopping tops in A.M. Cut cedar posts in P.M.

Ther. TUES. APRIL 11, 1899 Wea.

Fair and growing warm
but cider in A.M.
Cleaned up round
buildings in P.M.
up to Club in Ev.
Frogs sung for first
time

Ther. WED. APRIL 12, 1899 Wea.

Went to H.q. of Charley
Shed. Bot lumber
for stairs. rain and
snow in ear.

Ther. THURS. APRIL 13, 1899 Wea.

Fast day. Fair. Helped build stairs at Club. in P.M.

Hauled in Lumber at mill. 6800 ft.
Warm

Ther. SAT. APRIL 15, 1899 Wea.

warm. Finished
stacking lumber in
A.M. Went to Ex in
P.M. Tel to C.J.Co.

Ther. SUN. APRIL 16, 1899 Wea.

Rain. Ice Frost about
out last of meal

Ther. MON. APRIL 17, 1899 Wea.

Fair and windy. Built
Ice 4 horse door. Went
to Seabrook in P.M.
Bot 100 bags.
Work commenced
on Electric road.

Ther. TUES. APRIL 18, 1899 Wea.

Fair and warm. Sawed wood about 4 cds. Went to Annamas in eve. Fred is painting his house.

Fair and E. wind made
gap in wall at orchard
underpined Ice House
and banked with dirt.
Hauled three 12 cedars.

Ther. THURS. APRIL 20, 1899 Wea.

Cold and E. wind
Set post for gate
at E. end of barn
wrote to C. J. Co.
Quit chewing tobac.

Ther. FRI. APRIL 21, 1899 Wea.

Cloudy and cold. Went to depot in morn. Went down to C. va. in P.M. Ed. canadian in Eve.

Fair. Plowed stone in field filled up hole also burned brush. Played cards at Fords in eve.

Ther. SUN. APRIL 23, 1899 Wea.

Fair, and warmest day of season. Went to Hampton on bike.

Ther. MON. APRIL 24, 1899 Wea.

Fair and east wind.
Rec'd letter from C.P.C.
Went to Ex in P.M. got
check from V.T.

Ther. TUES. APRIL 25, 1899 Wea.

Fair and warm went
to N. Hampton for screenings
Put on bicycleties in
P.M. Rain at night

Ther. WED. APRIL 26, 1899 Wea.

Fair

Went to Harrill.
and Newlin to Pomona

Went to Kensington
for Lunch. Fair.

Ther. FRI. APRIL 28, 1899 Wea.

Bought bags of Healers
Hauled Robuts
bags to Ex. Fair.

Ther. SAT. APRIL 29, 1899 Wea.

Went to N. with a load of hay. Very warm and dusty. Down to Freds in P.M.

Very warm. Went to Salisbury track with Howards

Ther. MON. MAY 1, 1899 Wea.

91°

I hauled 16 loads of manure onto garden
Carried wheels up to
N. Hampton. Rain
al-night. New Road
bridge fell in.

Ther. TUES. MAY 2, 1899 Wea.

dull

Finished bunkering
ice house and got
a load of sawdust.
Plowed garden in
P.M.
Cannas in ice.

Cool and Humid.
Harrowed garden
Rob came up.
Wrote to Topfield.

Scrubbed inside

Fair and Cool
Worked scraping
road.

Ther. SAT. MAY 6, 1899 Wea.

Fair Planted potatoes

Ther. SUN. MAY 7, 1899 Wea.

Fair and warm
Went to Hampton &
Exeter.

Fair N.E. Wind worked
on bags. Burned brush
in lower field.

Ther. TUES. MAY 9, 1899 Wea.

Moved Littlehouse planted sod off of garden dumped around Barn.

Fair and warm. Worked scraping road.

Ther. THURS. MAY 11, 1899 Wea.

Fair

Worked on garden

Fair and muddy worked
in garden in A.M.
Went to Ex in P.M.
up to Marions in Eve.

Ther. SAT. MAY 13, 1899 Wea.

Hauled up cedar posts
and last of the logs.
Rain at night.
The first Electric
ran over to the hill
today. Pete shed

Ther. SUN. MAY 14, 1899 Wea.

Fair and under
Went down to Hampden
Beach on the boat and
windy.

Fair and cool. Commenced planting.

Ther. TUES. MAY 16, 1899 Wea.

Fair. Plowed all day Cattle came over from Oldtown. Went up to Annaries in Eve.

Ther. WED. MAY 17, 1899 Wea.

Fair and Cool.
Plowing all day.
Dr. Saulsm died today.

Ther. THURS. MAY 18, 1899 Wea.

Cloudy. Finished plowing. Broke my glasses. Rain at night Hauled to E. J. Co.

Ther. FRI. MAY 19, 1899 Wea.

Cloudy. Moved hens
& piggery. Fenced fence

Ther. SAT. MAY 20, 1899 Wea.

Cold and showers.
put chimney on
blacksmith shop
Went to Ex in P.M.
and get tandem.

Ther. SUN. MAY 21, 1899 Wea.

Dull and rainy.

Ther. MON. MAY 22, 1899 Wea.

Cloudy. Cut stakes in A.M. Fog spreads in P.M. Got glass from Boston

Ther. TUES. MAY 23, 1899 Wea.

Fair. Hauled manure
Fixed spreader
Annanias in Eve

Ther. WED. MAY 24, 1899 Wea

Fair and warm Went to
Amesbury and Newburyport
bot tea mats and hurlaps
Went bikeing in Eve.

1

Fair and warm. Sent 3 bills mats and burlaps to Portsmouth. Went up to N. Hampshire but [illegible] days

Fair and very hot. Spread
ing manure and fixed
fence at orchard.

Ther. SAT. MAY 27, 1899 Wea.

Fair and south wind
Went to Newbury post
and Amesbury with
Ed. & Will. Bit wall
paper for shop. Went
down to Freds in eve.

Ther. SUN. MAY 28, 1899 Wea.

Cloudy and cold with some rain. The Electric ran to Newburyport for first time.

Ther. MON. MAY 29, 1899 Wea.

Went to Hampton in
D.M. for big wagon
Fencing in P.M.
rain

Warm and muddy
Up to Club in AM
for my deer
Down to beach in
PM. Club in eve

Fencing at orchard
hauled home since
Lakes. Hot—

Ther. THURS. JUNE 1, 1899 Wea.

Fixed spreader
Fenard. Went to
Amesbury in P.W.
496 bags to Scott.
Very Hot. Strawberry
festival in Eve

Ther. FRI. JUNE 2, 1899 Wea.

Fair and hot. Job around
Went to Ep on tandem
in D.M.

Hot. Painted wagon.

God. went to Salesbury
beach. and called on
Worthley.

Ther. MON. JUNE 5, 1899 Wea.

1 Hol: Pitched manure
and hoed in garden

Hot. Finished spreading manure. Hauled home load of boards from mill

Cool. 7 teed, hauled folks to and from power house.

Hot. Built fence around my orchard.

Fine. Hauled rocks for bridge.

Hauled stone for bridge. Went up to Hauks for Cone 4000 lbs.

Fair

Ther. SUN. JUNE 11, 1899 Wea.

Went to Howards
and down to Crach
over to Ex and got
clothes and hired
paper hanger. Fine
day but roads
very dusty.

Ther. MON. JUNE 12, 1899 Wea.

I spread lime on field
Cloudy
Had Club room prepared

Went to Berlin and
Ashburnham. Very hot.

Ther. WED. JUNE 14, 1899 Wea.

Hot-Attended graduating exercise. Reception in eve. Small shower

Cool in morn. Went to Fitchburg. Went over to Ashby. Rain at night.

Ther. FRI. JUNE 16, 1899 Wea.

Over to Fitch in P.M. bot and shipped to Newton 7 bills barley and malting.

Ther. SAT. JUNE 17, 1899 Wea.

Stayed at Louis'. Ebyn
came down at night.

Ther. SUN. JUNE 18, 1899 Wea.

At Louis'. Had green peas for dinner.

Came home via Boston
Showers. Electric road
tied up.

Ther. TUES. JUNE 20, 1899 Wea.

Hot in morn. Cultivated garden. Terrible hail and thunder storm. Large amt of rain. Clarence Brown house burned. Hail stones as large as walnuts

Fair and cool Sprayed appletrees. Sorted bags Went over to Harrys and fixed pipe. Cherries are ripe.

Ther. THURS. JUNE 22, 1899 Wea.

Fair and cool. Went to Amesbury in morn but rye Sowed it in afternoon. Ed came down at night.

Windy and cool. Fixed hay wagons.

Ther. SAT. JUNE 24, 1899 Wea.

Went to Shatham on tandem. Down to Fred at eve. Hot

Rain. Stayed at Sims
Ed came down at
night.

1 Hot. Hauled gravel
on road.
Geo Fagg painted
Surf.

Ther. TUES. JUNE 27, 1899 Wea.

Fair. Commenced hay
ing. Mowed Pellie lot
and lawn and road
sides. Up to Club at
eve.

Cloudy. Heavy rain
in P.M. and night.
Boss in Boston.
Picked horse barn floor.

Fair & Cool. Got in first hay.

Ther. FRI. JUNE 30, 1899 Wea.

Fair and N. W. wind
mowed back of piggery
rolled new ground.
Got in two loads hay

Ther. SAT. JULY 1, 1899 Wea.

Fair and Wound Finished
rolling ground. Got in
two loads hay mowed
corner by orchard.

Ther. SUN. JULY 2, 1899 Wea.

Fair and warm
Went to Salisbury Beach

Hot. Got in four loads
of hay. Mowed
old field below.

Ther. TUES. JULY 4, 1899 Wea.

Very Hot: Loafed.
Down to Humphrin beach
in eve.

Ther. WED. JULY 5, 1899 Wea.

Got in four loads hay
Frank came
Hot.

Ther. THURS. JULY 6, 1899 Wea.

Finished mowing down below get in one load
Set up Feas sake.

14th date

Ther. FRI. JULY 7, 1899 Wea.

Pleasant. Haying down below. Moved back of horse barn

4

Ther. SAT. JULY 8, 1899 Wea.

Dull. Heavy rain
in P.M. & night. Piped
pipe in cellar. Put-
ting under barn.

Ther. SUN. JULY 9, 1899 Wea.

Clear Stayed home all day

Cool and fine. Mowed back of house 5 loads

Ther. TUES. JULY 11, 1899 Wea.

Fine. Used binder for first time back of barn. Mowed tops of hill

6 loads

4 Ther. WED. JULY 12, 1899 Wea.

Cleaned up back of house
Mowed in Lot.

5

Ther. THURS. JULY 13, 1899 Wea.

Great hay day. Mowed back of hill 2 loads.

Ther. FRI. JULY 14, 1899 Wea.

Fine day Cleaned orchard
back of piggery road side
and piece on top of hill
7 loads

Ther. SAT. JULY 15, 1899 Wea.

Fine. Cleared up back of hill. Finished mowing 1/2 acre piece. 6 loads

The way to cut the 12 acre piece is two is to start at lower apple tree in upper row and drive for the big elm.

49 to date

Ther. SUN. JULY 16, 1899 Wea.

Cloudy. Went fishing
in P.M. Warm Thunder
came on. Rain

Ther. MON. JULY 17, 1899 Wea.

Dull. Rob Lewis came up. Went to Exeter on tandem got glasses mended moved part of 3 cornered piece. Ed came down at night.

Hand that took 11 tricks

♢ trumps. ace. K. Q. ~~two smallow~~ 8 & dieece
♡ ace. K. Q. 4 spot
♡ ace
♣ 7. 8. and queen
clubs led by partner
held ~~A & Q~~ & King

Ther. TUES. JULY 18, 1899 Wea.

Fair N W wind finished
mowing 3 cornered piece
began in frot-field
2 loads!

Fair & W wind
7 loads cool

Ther. THURS. JULY 20, 1899 Wea.

Fair & Wind. Finished
back field. Finished
mowing 7 acre piece
front.

7 loads

Hot and high S W
wind. Cleared up
7 acre piece mowed
2 acre across brook
5 loads.

Ther. SAT. JULY 22, 1899 Wea.

Cold E wind. Finishd across brook. Began mowing 8 acre piece 3 loads.
Got load of sawdust.
Want to milk meeting

Ther. SUN. JULY 23, 1899 Wea.

Dull Evening. Went
to Hampton Beach
on cars. Cold.

Ther. MON. JULY 24, 1899 Wea.

Fair. Mowed on 8 acre
piece morning and
again at night. got
in 4 loads raked up
what I mowed in
morning.

Got in one headland then it commenced to rain. Laid tile in cellar and went to Hamplin Got Pete shod. Got 2 horseyoke ironed.

Ther. WED. JULY 26, 1899 Wea.

Heavy rain. Painted big wheels. Mending on bottom of cellar. Went to Newbury port on electrics. Got hair cut.
Pd. D M O Tho
Got letter from Piper

Hot. Teddered and got in 6 loads. Showered. Finished mowing first lot. 84 to date

5 Ther. FRI. JULY 28, 1899 Wea.

Fair. Finished fore lot. 3 loads.
Set stove at South cellar door.

Ther. SAT. JULY 29, 1899 Wea.

Hauling gravel around barn. Went to Ep. in P.M. bot. bags and mats. Down to Freds in eve.

Ther. SUN. JULY 30, 1899 Wea.

Rain in morning Fair
and Lot. Went-up
to Howards.

Cool & W. W. wind Mowed in Pasture field. Loaded grass around barn.

Fine. Cleaned up
wagon shed fixed
3 horse yoke. Raked
pasture field. Cub al-
ever.

Ther. WED. AUG. 2, 1899 Wea.

Fine. Went to Hampton
Beach Farmers day
a little rain at eve

Ther. THURS. AUG. 3, 1899 Wea.

Cloudy. Hauled 2 loads of ashes from Marstons. Down to Freds at Eve.

Fair. Hauled load of ashes from Marsden & hauled load of lumber out. Worked in cellar in P.M.

Ther. SAT. AUG. 5, 1899 Wea.

Hot. Hauled load of
lumber over to C.M.S.
Went to Dr.'s twice
but did not find him
Went over and get
planed lumber at
night.

Fine. Went down to Dr. Holcombs and Northrups, also down to beach. looked at wind mill.

Ther. MON. AUG. 7, 1899 Wea.

Mowed the rye Fair
Down to Woods at Eve.

Ther. TUES. AUG. 8, 1899 Wea.

Fair & N.W. wind.
Went to Newburyport
Bot drill rise and
matting.

Ther. WED. AUG. 9, 1899 Wea.

Fair. Raked up. Lewis came in P.M. Went with H.

Ther. THURS. AUG. 10, 1899 Wea.

Dull with rain,
Lt I went to Beach
in tandem.

Ther. FRI. AUG. 11, 1899 Wea.

Rain N.E. wind
Loafed all day.

Ther. SAT. AUG. 12, 1899 Wea.

Cloudy. Went down river fishing.

Ther. SUN. AUG. 13, 1899 Wea.

Hot. Went to Lake bay
Beach.

Ther. MON. AUG. 14, 1899 Wea.

Fair. Teddered rye
Down to Fredsal'ere

Got in 9 loads of rye
unloaded 6. Up to
club at Eve.

Ther. WED. AUG. 16, 1899 Wea.

Fair Down to marsh
in A.M. Newburyport
in P.M. Bot. bike
suit.

Went to Portsmouth on
bicycle. with H + others
fine day.
Stamps house burned.

Went up to E. Kingston
with Fred. Stabled
home boiler engine.
Hol.

Ther. SAT. AUG. 19, 1899 Wea.

Hot & muggy. Unloaded engine & Presses in A.M. Put in gas pipe & faucets in P.M. Went down to Hampton beach on tandem in eve. with Mag Folsom & Flora. Very fine night.

Fine. Went down
to Hampton Beach
with Howard.

Ther. MON. AUG. 21, 1899 Wea.

Went to Hampton twice. Took wheel to Norton's. Lumber to Marston's. Loaded engine to go to Exeter

Ther. TUES. AUG. 22, 1899 Wea.

Foggy. Went over
to Harry's. Moved
tank and piped
it up. Rain at
night.

Ther. WED. AUG. 23, 1899 Wea.

Foggy. Rob and I went to Exeter with engine.

Ther. THURS. AUG. 24, 1899 Wea.

Worked for 2nd
setting up shafting.
Dull & foggy.

Ther. FRI. AUG. 25, 1899 Wea.

Dull. Went to Seabrook for pests in A.M. Cooler cry tandem in P.M. Beach in Eve.

I helped Fred all day. Up to Fullers in eve. Fair & cool.

Ther. SUN. AUG. 27, 1899 Wea.

Cloudy & cool. Went over to Hampton in P.M.

Cool. Cleaned up around house in A.M. Helped finish Harry's job in P.M. Andrew left.

Ther. TUES. AUG. 29, 1899 Wea.

Cool. jobbed around
picked peaks and
put in ice room.

Cool. Small jibs around.

Ther. THURS. AUG. 31, 1899 Wea.

Warm & helped Fred. all day.

Ther. FRI. SEPT. 1, 1899 Wea.

Fair. Went to Boston
Bot Stencil & washer
cutter. Rain at night.

Ther. SAT. SEPT. 2, 1899 Wea.

Rainy Packed and shipped 6 Rase 936 bags

750 2 lbs.
160 4 lbs.
18 cotton seamless
8 Chase "A" "B".
recd #12.17

Ther. SUN. SEPT. 3, 1899 Wea.

Warm. Went over to
Howards in P.M.
Rain at night

Ther. MON. SEPT. 4, 1899 Wea.

Fair N.W. wind. Looked round in A.M. Went to marsh in P.M.

Finished in marsh
in AM. Moved back
of town in P.M.
Fair & mud.

Ther. WED. SEPT. 6, 1899 Wea.

Fair & N. W. wind
helped Fred all day.

Fair. Frost in morning.
Helped Fred in P.M.
Raked second cut in
P.M. Warren Plummer
called. Adam came
Rain at night.

Ther. FRI. SEPT. 8, 1899 Wea.

Fair. Unloaded 3 loads of rye. Hauled stone in A.M. Picked up pears [illegible] carried them to Seabrook in P.M.

Ther. SAT. SEPT. 9, 1899 Wea.

Fair. Got in one load of second corp. Black smith work. Got load of saw dust. Up to Mabel W. 5' to whist party.

Went to Portsmouth & Newcastle. Tuesday. Broke bike forks

Ther. MON. SEPT. 11, 1899 Wea.

Cloudy. Load of salt
Lay from depot.
Hauled cider apples
down to Fields. Got
load of brick at the
hill 840. Rain at
night

Ther. TUES. SEPT. 12, 1899 Wea.

Cloudy. Worked block
smithing. Up to club
in eve.

Ther. WED. SEPT. 13, 1899 Wea.

Fair West wind. Picked up peas & apples. Carried sig. down to Seabrook in P.M.

8 Ther. THURS. SEPT. 14, 1899 Wea.

Cold. Mowed field down below in P.M. Down to Dave Balch's in eve.

Ther. FRI. SEPT. 15, 1899 Wea.

Fair. Picked my Woods
Wood Lack of Will.

Ther. SAT. SEPT. 16, 1899 Wea.

Went to Exeter Salisbury
and Newbury port.
Bot Die plate. cold.

Ther. SUN. SEPT. 17, 1899 Wea.

Worked for Fred
Ward over in South
Hampton. Fair & warm.

Ther. MON. SEPT. 18, 1899 Wea.

Fair & warm. Got in two
beds of second crop
from down below. in A.M.
Took 3 bu pears 2 bu apples
to Seabrook in P.M.
also went to Newburyport
with Rob. Lowell.

Ther. TUES. SEPT. 19, 1899 Wea.

Fair and warm. Hauled load of bumper up to pasture load of stone home. Over to Hampton in P.M. Got Pete shod behind.

Rain. Made case for stencil Cleaned up shop. Staked out mica wall.

Rain. Began hauling
ice to in P.M.
Fixed chandelier in
dining room in P.M.
Alice & Clifford came

Ther. FRI. SEPT. 22, 1899 Wea.

Fair. Hauled peas down to Seabrook Got Tom Thod. Went to Salisbury and Amesbury.

Hauled stone for ring wall. 6 teams

Ther. SUN. SEPT. 24, 1899 Wea.

Cold Went to church.
Conn to Hampton in P.M.
With C Efford

Warmer. Bray got a load of hay. Haulod stined in P.M.

Ther. TUES. SEPT. 26, 1899 Wea.

Hauled rocks in A.M.
Rain in P.M. Blacksmith
in A.M. Club in P.M.

Ther. WED. SEPT. 27 1899 Wea.

Fair. Adams went home. Hauled shot

Ther. THURS. SEPT. 28, 1899 Wea.

Fair. Built wall in
A.M. Went to Amesbury
Fair in P.M.

Ther. FRI. SEPT. 29, 1899 Wea.

Fair Hauled two ship
shine from lumber swamp
Worked on wall

Ther. SAT. SEPT. 30, 1899 Wea.

Fair. Worked on wall

Cool N W wind Picked grapes. Up to Harvards in P.M. Mother & Emma went to Beach.

Ther. 26° Mon. Oct. 2, 1899 Wea.

Cold and cloudy. grounds
frozen. Began picking
apples. front of house

Ther. Tues. Oct. 3, 1899 Wea.

Clear and N W wind
frost in morn. Picked
apples. Heard from
C Lasted

Ther. WED. OCT. 4, 1899 Wea.

Fair and warmer. Finished picking front of house Went to Newbury Fair on bike with Ed. in P.M.

Fair and warm Picked apples by mill road all day 25 bbls

Cold and wet. Hauled
two loads of coal.

Fair. Hauled four loads coal and gasoline
Down to Hall to a rehersal in ev

Cool and cloudy. Fred and I went out to Clarence Burns in P.M. Carrie came out in P.M.

Ther. MON. OCT. 9, 1899 Wea.

Finished picking apples in mill road. Rain Drove home pigs. Put up bbl. Moods. Over to Hamplin in P.M. Got Charley stood.

Fine. Picked my apples
Put in Gasolene pre
to Hampton with
Ed. Up to club in eve

Ther. WED. OCT. 11, 1899 Wea.

Worked on wall. Hauled
lumber from mill.
Down to Hall rehearse
ing in P.M. Gave out
play in eve. Fair & warm

Ther. THURS. OCT. 12, 1899 Wea.

D me off heifers Worked on Wall.
Fair and warm

Fair and warm
Worked on wall all day
Rob came up.

Ther. SAT. OCT. 14, 1899 Wea.

Faine. Worked on wall all day.

Fair N.E. wind
Went to Exeter on
Electric

Ther. MON. OCT. 16, 1899 Wea.

Fair Dug potatoes
Finished clearing away
wall. Up to Mrs Tillen
on tandem. in eve.

Ther. TUES. OCT. 17, 1899 Wea.

Fair & warm. Carred
pears down to Sea=
brook. Went to New
bury port with Rob.
Got Pete shed;

Warm Heavy showers in A.M. Packed away farming tools. Cleared away rubbish in orchard & blacksmith etc.

Ther. THURS. OCT. 19, 1899 Wea.

Fair. Finished wing wall and cleared up around barn. Went to Ex. in P.M. Grange suppes in Eve.

Cold rain in A.M.
Wind up west in
P.M. Cold at night.

Ther. SAT. OCT. 21, 1899 Wea.

Very cold and windy
Shipped Newton 3
bdls mats.
Went over to Marstons
Down to Freds at eve.

Cold night: growing
warmer. Went-
up to Tillens and
over to Grace Burns.
Wrote to Louis.

Hauled out wood
all day. Up to Grace's
at eve to supper.
Cloudy and warm

Ther. TUES. OCT. 24, 1899 Wea.

Cloudy and warm
worked jobbing in A.M.
fixed barrel rigging
Over to Amesbury with
play in Eve.

Fine and warm.
Went to Newburyport
with 80 cement bbls.
and 1272 lbs. hoops.
Brot home 33 casks
for Fred.
Letter from Ellis
Sent for lantern.

Ther. THURS. OCT. 26, 1899 Wea.

Fair and warm
Dug around nut tree
by gate. Hauled up
a jag of wood for Ed.

Wrote to Drew.

Ther. FRI. OCT. 27, 1899 Wea.

Loaded Bray. Ed hauled
two cord wood. Pulled
over mul tree and cut
it up. Picked up hoops
Fair and NE wind

Light rain yesterday
all glass. Worked
on ferns and stumps
Frank left.

Ther. SUN. OCT. 29, 1899 Wea.

Warm with light rain. Looked at S. M. & G. M. Mary came over at eve.

Fair. S.W. wind
Punched walnut-
tree. Harrowed in
rye. Loaded wood
for Seabrook.
Ed came down al-
so.

Ther. TUES. OCT. 31, 1899 Wea.

Went to Seabrook with
wood for Reese Owen
very blue and cold
J bled around in the
Eugene came down.
Heavy rain and N.E.
gale at night.
Wrote to Dorus.

Rain. Made a feed bag
Fixed low wagon
Fixed wagon shed
doors.

Ther. THURS. NOV. 2, 1899 Wea.

Fair cold N W wind
Went to N port
Harwill & Amesbury
Down to Grangeview.
Wrote to F. H. W. Co.

Fair and rain. Started
Currier in cellar. Work-
ers to N Hampton and
Hampton. Heavy
rain at night.

Ther. SAT. NOV. 4, 1899 Wea.

Clearing Joint up bags for Perkins Hoops for Bruce. Down to Freds at eve.

Ther. SUN. Nov. 5, 1899 Wea.

Jane Howard and
I went down to Seabrook
on bike over to Hampton
looking at R R work.

Went to Newburyport with Corps. Fair and cool.

Fair Down down to Durham
tried to buy bags. Stayed
there all night.

Drove from Durham
to Epsom Depot.

Ther. THURS. NOV. 9, 1899 Wea.

Came down from
Epsom Depot to Ray=
mond. Bot 5 00 bags.

Fire Cam home from Raymond via Brentwood. bt 180 bags.

Dull rain in P.M.
burned brush in
AM Lago in P.M.

Ther. SUN. NOV. 12, 1899 Wea.

First snow cold and
Warm.

Ther. MON. NOV. 13, 1899 Wea.

Cold and windy. Small jobs in A.M. Over to Stamfla and N. Stamfla in P.M. Wrote to Drew and Buswell.

Worked on old grist-
mill all day. Fair
and warmer. Epi-
Club in eve.

Dull light rain in
P.M. Worked on 2 mile
hauled Logs 2400 lbs
Mended chains and
made wagon shed door
handles in P.M.
Ordered wagon for Ed.

Ther. THURS. NOV. 16, 1899 Wea.

Fair Hauled outgrounds in A.M. Got out water wheel in P.M.

Ther. FRI. NOV. 17, 1899 Wea.

Fair & Cold. Worked on iron in A.M. Hauled home cider. Got load of gravel for cow yard.
Osborne agent was here. Signed a com. contract for 6 ft. mower rake & tedder. also small bill amt. to 2.78 I think.

Hauled two loads of ashes from Bangs mill. Cloudy & warm

Ther. SUN. Nov. 19, 1899 Wea.

Cloudy and warm
Over to-power house
in A.M. Up to Ed's
in P.M.

Ther. MON. NOV. 20, 1899 Wea.

Fair & Cool. Over to H
and H.F. looking after
iron. Bot of Williams
in P.M.

Ther. TUES. NOV. 21, 1899 Wea.

Fair & cool. Loaded 3 T
of iron for N-port. Bot-
rest of Williams 1700 in all
Shipped Roberts 3 bdls
bags 2 bags rubber.
Bot 1340 lbs of E.M.T.

Ther. WED. NOV. 22, 1899 Wea.

Rain stopped ashes
in Barn cellar
round out-apples.
Worked on water
wheel in P.M.

Ther. THURS. Nov. 23, 1899 Wea.

Fair Hauled two loads of gravel east-side of lane Hauled home load of boards. Over to Hampton in P.M. shoe on Pete.

Ther. FRI. NOV. 24, 1899 Wea.

Fine Went to N port
with iron 6190 lbs

Ther. SAT. NOV. 25, 1899 Wea.

Ore. to Hampton got Whitters pool table and set it up in P.M. & Eve. Fair

Ther. SUN. NOV. 26, 1899 Wea.

Fair & cool. Doubtful
Funds in Am over
to Howards in Pa.

Ther. MON. NOV. 27, 1899 Wea.

Cloudy Exp to Ex in
AM over to Ht in P.M.
Saw Anderson about
bugs. Wrote Roberts
and Jewett.

Cloudy. Went to Seabrook and N. Port with apples sold weather rainy Up to Club in eve.

Ther. WED. NOV. 29, 1899 Wea.

Fair. Put double windows on cellar fire and wind mill. Finished gust-mill iron and hoops. letter from Jewell Robert and Piper.

Ther. THURS. NOV. 30, 1899 Wea.

Thanksgiving Day. Warm and Cloudy. In the forenoon I fixed the wind mill up in good shape. Harry Mary & Miss Windy were here to dinner. The wire gang were at work down by Freds. Up to Club playing pool in eve

Warm & Cloudy Hauled
two loads of sawdust
for cow barn in P.M.
One to Edis in P.M.
Check from Prentiss

Ther. SAT. DEC. 2, 1899 Wea.

Fair & warm Went to
Newport & Amesbury
Loaned over weather vane

Ther. SUN. DEC. 3, 1899 Wea.

Fine - J Howard called
Went up to Trickling
Falls in P.M.

Ther. MON. DEC. 4, 1899 Wea.

Rain Bray came
Hauled up bed of
shingles. PM cold and
windy Built stairs
in new cellar.
Down to Freds at eve

Ther. TUES. DEC. 5, 1899 Wea.

Cold. Over to Amesbury in P.M. in car to see Hew. Co. Worked on bags in P.M. Up to Club at eve

Fair Stopped dressed
road side and lawns

Fair Spread manure
all day.
Down to Frederick

Ther. FRI. DEC. 8, 1899 Wea.

Fair Loaded iron
Hauled 6 loads manure
Went to N port
settled with Seaman.

Ther. SAT. DEC. 9, 1899 Wea.

Fair & cold Bet iron of
Gnd 1+ and C Tippar
Bet Abbs of Mace
Went to dan ang sched.

Ther. SUN. DEC. 10, 1899 Wea.

Cloudy and warmer
Over to Towards
in P.M.

Ther. MON. DEC. 11, 1899 Wea.

Fair & Warm Went to Newburyport with inn 6 5-00. Eugene came down at night.

Ther. TUES. DEC. 12, 1899 Wea.

Warm rain in P.M.
Hauled out manure
Bray came in P.M.
Wp & Chebat etc

Ther. WED. DEC. 13, 1899 Wea.

Fair and warm. Carried old wheels over to 7 ft and shifted axles. Fixed up bbl. rigging. Loyal Legion play at Town Hall. There is no frost in ground we have had no fire down cellar for two days. Very pleasant but much complaint of scarcity of water in wells.

Ther. THURS. DEC. 14, 1899 Wea.

Fair & warm Went to
N port with 101 bbls.

Ther. FRI. DEC. 15, 1899 Wea.

Heavy Rain in A.M.
worked in B S shop
Fair and growing
colder in PM I ver
to Hampton get Ed's
wagon. Up to old
Smiths after iron

Fair and cold. small jobs around. Put in new water trough in cow yard.

Down to dancing school in Eve.

Ther. SUN. DEC. 17, 1899 Wea.

Cloudy Thawing and
Snowing all day

Ther. MON. DEC. 18, 1899 Wea.

Fair and warm. Hung ball over. Dredd round water trough.

Ther. TUES. DEC. 19, 1899 Wea.

Warm Over to Hampshire
in mission for me. Up
Wed E held meet and
over by Mathews in Lns
Club w Ess

Fair and warm Fixed
pump in well. Cleaned
up in town and B. S. shop.

Ther. THURS. DEC. 21, 1899 Wea.

Fair over to Portsmouth
in P.M. to Cemetery.
Up to Masonic visitation
in eve

Ther. FRI. DEC. 22, 1899 Wea.

Dull and some rain.
Put new bedding in Peter's
stall. Hauled out Manure
Down to Fannie Sanborn
Whist in Eve.

Hauled 8 bales bags
to R.R. for K.B. Co
1000 — 100 lb bran
100 small coffee
69 large "
Went to N. post on letters.

Ther. SUN. DEC. 24, 1899 Wea.

Warm and cloudy Stayed home all day. Heavy NE rain at night.

Ther. MON. DEC. 25, 1899 Wea.

Christmas Day Fair and warm. Laid over Charley's stall floor painted pung runners. Harry and Mary over to dinner. Eugene and Flora called. Up to Club playing pool with Fred.

Ther. TUES. DEC. 26, 1899 Wea.

Fair and quite cold
Over to Strathan and
up the main road
for wore bit - over a tea
Club at eve.
Winter really begun
today

Ther. WED. DEC. 27, 1899 Wea.

Fair and cold ground
frozen and skating.
Bray came in A.M. Loaded
iron. Oren to H got Charly
shod and Tom forward.
Up to Eugenes to whist
party in Eve.

Fan and cold. Went 6-
At first with min 56..

Ther. FRI. DEC. 29, 1899 Wea.

Fair & Cold. Up in Cove
after calves that stray
ed away Christmas Day.
Over to H in P.M.
Got Pete shod and
up to Exon cars.
Whist party here in
eve here. 24 present

Ther. SAT. DEC. 30, 1899 Wea.

Fair and cold ground frozen solid. Went down to turnpike in morn got stack of hay. Up to Grunnels and G Balcheldes for iron in P.M. 1350 lbs. Down to dancing school in eve.

Ther. SUN. DEC. 31, 1899 Wea.

Coldest day so far 3° above. The last day of a very fair year.

Jan 1. Cold and snow
Painted sled in A.M.
Helped Fixed iron
bunks in P.M.
Jan 2 Broke roads about
10 in to 1 ft of loose light
snow. Clear in eve
Jan. 3. Cold. Broke roads
in A.M. Fixed up sled
put away carts.
Jan 4 Over to Hampton
with express wagon in
morn Fixed 2 horse
sled in P.M.

CASH ACCOUNT. JANUARY.

Date.		Received.		Paid.	
1900					
1	Play books			1	00
4	Tops				10
11	Watch			1	75

CASH ACCOUNT. FEBRUARY.

Date.		Received.		Paid.	
15	from C. J. Co.	12	11		
17	from Jones.	9	00		
21	" Ford.	11	86		
"	" Knight		44		
"	J. Russell			6	50
28	from Daniels	3	00		

CASH ACCOUNT. MARCH.

Date.		Received.		Paid.	
2	Cash On Hand	45	09		
3	C'h'k from Chase	3	26		
7	Recd for Tobac		10		
"	Pd " "				10
10	Candy etc				15
"	Corn Ties			1	00
"	Bags			4	14
13	Candy				65
14	Grange Dues				90
"	Candy & Orange				28
18	Tobacco				25
21	Humanias Club			1	00
24	Postal Cards				25
"	Tobac & Dinner				24
"	Sold tobac		10	6	29
"	Bags			3	28
25	Cards			1	50
"	Boots			1	50
"	Candy Tobac				20
"	Needle & Thread				20
27	500 bags	10	00		
"	Stamps				50
"	Dinner				10
"	Bags			6	62
28	"			4	80
31	"				20
"	etc				35
"	Cigar				5

CASH ACCOUNT. APRIL.

Date.		Received.		Paid.	
1	Cash on hand	23	85		
"	Hair Cut				25
"	Candy				15
"	Tobac				10
2	Paper				5
3	H.B.B.	1	50		
5	for Harvest	14	50		
6	Twine				69
"	Bags				90
"	Collars				15
"	Dinner E/C				48
"	Scales				25
7	Ax Handle				25
12	Lumber				80
"	Candy				20
15	No Tobac				90
"	Telegram				48
"	Tobac & Pipe				30
"	Candy				15
17	Lumber			1	26
	Peanuts				85
18	From B.C.H.	2	00		
24	Shoes			1	50
"	Hat			1	50
"	Tobac & candy				20
"	Shellac				10
"	Check C.J.Co	23	97		
"	Garters				25
15	Elect Fare				20
17	Bags			1	00

CASH ACCOUNT. APRIL.

Date.		Received.		Paid.	
24	Brot fund	58	06		
26	Overcoat			6	00
"	Wire rope				63
"	Dinner				20
"	Fare				98
"	Incidentals				53
27	Bags			3	52
28	"			2	02
"	Fit				25
"	Cider		40		
29	Orwell & Phelps				94
	Horse shoing				35
"	Dinner				25
30	Dinner etc				75

CASH ACCOUNT. MAY.

Date.		Received.		Paid.	
1	Cash on hand	42	22		
4	Tobac				10
9	Boar		50		
12	Hat			1	00
"	Haer cut				25
"	Candy				10
	Tobac				10
"	Lend a Hand				10
14	Dinner & Tobac				76
18	Tobac				10
20	Tandem			11	50
"	Fare				20
23	Check from Roberts	10	75		
"	Glasses			2	00
24	Sweater			1	98
"	Tobac				25
"	Etc				58
"	C.J.Co. check	37	10		
"	Tea Mats				56
"	Burlap				40
25	Bags			4	26
27	Shades				50
"	Dinner				25
"	Etc				50
30	Beach				40
				25	84
		90	57		
		25	84		
		64	73		

CASH ACCOUNT. JUNE.

Date.		Received.		Paid.	
1	Cash on hand	65	26		
1	496 bags Scott	13	27		
2	Lent Mother			1	00
"	Tandem				25
"	Soda				20
4	Salisbury Beach				71
	Strawberries				20
	Tobac				15
10	Bags				20
11	~~Clothes~~			$	[illegible]
"	~~Hampton Beach~~				[illegible]
	Bags & Weigh		50		[illegible]
12	Papering hall			3	62
11	Clothes			1	00
"	Hampton Beach				71
13	Suspensory				50
"	Drawers				35
"	Ties				20
"	Pants			1	00
"	Sundries				50
"	Tobac				20
"	Drinks			1	25
	Sundries			1	09
"	Fare			4	26
"	Raffle				88
"	Cannon				50
16	Burlap and Mat			1	97
"	Of Newton	4	00		
22	Hat				48
"	Hat cut				25
		83	03	21	46

CASH ACCOUNT. JUNE.

Date.		Received.		Paid.	
22	Bot. fords	61	57		
"	Eggs				10
"	Tobac				10
"	Rye			5	10
23	Lehl. Mölker			1	00
"	Paid for pasture			2	00
24	Soda				40
27	Boar (R.B.)	1	00		
28	Eggs	2	50		
"	Tax			2	25
	Loan S.L.B.	2	00		
	Weeding		30		
		67	37	10	95
		10	95		
		56	42		

CASH ACCOUNT. JULY.

Date.		Received.		Paid.	
1	Cash on hand	55	82		
2	Salisbury Beach			1	22
"	Tobac				10
4	Hampton Beach				35
6	Freight				77
8	Chick Drawbin	5	15		
10	Tobac				20
17	"				43
"	Glasses				35
"	Candy				15
"	Bananas				12
"	Soda				10
22	"				5
"	Express				15
"	Of F. P. S. oil	1	50		
"	" Trade	27	75		
23	Hamptn Beach				40
25	C Marston				15
26	Pants			1	38
"	Socks				25
"	Overalls				49
"	Shirt				50
"	Fare				30
"	Fancut				25
"	Cap				10
"	D. M. C. Co. check			19	43
29	Bago & Mals.			1	33
"	Bike hire			1	25
"	Hand kcf				10
30	Levi Bros			1	00
		90	22	29	89

Date.		Received.		Paid.	
31	Balance	62	98		
"	Bags				32

CASH ACCOUNT. AUGUST.

Date.		Received.		Paid.	
1	Cash on Land	62	74		
2	Farmes Dry			1	30
6	Bananas				23
"	Dinner				20
"	Ice				25
8	Drill			10	00
"	Rise			3	50
"	Chips				20
"	Dinner				25
"	Tobacco Chips				15
"	Matting				90
10	At Beach			1	00
"	Rec'd Beer	1	00		
12	Boat				25
13	Salisbury Beach				95
"	Rec'd for visit	2	00		
14	Lantern			2	50
"	Tobacco				10
"	Salts				15
"	Tobacco Chips				04
16	Sail Bike			3	88
"	Coll'd Hat				96
"	Tobacco				10
"	Fair				80
"	Beer				10
17	Portsmouth			1	72
19	Hampton Beach				70
20	" "				60
22	Rule				10
"	Beer				20
		65	74	29	91

CASH ACCOUNT. AUGUST.

Date.		Received.		Paid.	
22	Brot-ford	35	63		
23	Fred rake	20	00		
25	Pipe & Tobac				30
"	Tobac				43
"	Hair Cut				25
"	Suspenders				65
"	Graphite				10
"	Beach				20
		53	70	1	93

CASH ACCOUNT. SEPTEMBER.

Date.		Received.		Paid.	
1	Cash on hand	48	39		
"	Stencil			2	00
"	Washer Cutter			1	00
"	Dinner				50
"	Fare			1	50
"	Cigs				10
8	Pears	1	00		
10	Portsmouth			~~[illegible]~~	80
"	Cigs				10
15	Rcd of S.G.B. tran	5	00		
16	Did plate			4	50
"	Fare				15
"	Tobac & pipe				15
"	Dinner				25
"	Valve & bushing				80
"	Trothoche & alve				15
18	bicycle				75
"	beer				20
20	of F.P.S.	13	50		
22	Amesbury				90
28	" Fair				60
"	Tobac & cigs				45

CASH ACCOUNT. OCTOBER.

Date.		Received.		Paid.	
1	Cash in hand	55	17		
3	Check from Chase	12	17		
4	Shirts				96
"	Tobac.				20
"	Newbury Fair				50
9	Haircut				25
Ag	Cigs				20
10	Tobac				10
"	Club Dues				75
"	Of Club bill	4	12		
11	Fair				17
15	Fare & Tobac				35
17	Deposit			25	00
"	Bags & mats			1	50
"	Dinner				30
"	Incidentals				22
19	Mats				45
"	Tobac				43
"	Cigs				20
"	Coke				70
21	Gloves				25
"	Moody apples	1	75		
25	Newburyport				27
26	Bills	4	00		
"	Hoops	3	81		
"	Lantern			1	00
27	From F.P.S. bills	2	00		
30	M.L.B. mindrug bags				15
31	Whips				20
		83	02	34	15
				48	87

Date.		Received.	Paid.
1	Cash on Land	48 15	

CASH ACCOUNT. NOVEMBER.

Date.		Received.		Paid.	
1	Cash on hand	48	75		
2	Hosery				50
"	Neckties				50
"	Harrell				80
"	Tobac & Cigs				15
"	Grangeburg				90
3	Bags				25
4	"				67
5	Hoops	10	60		
"	Bags	5	50		
"	Jacket			1	50
"	Overalls				48
"	Oats				40
"	Expense				75
"	~~Potatoes & Meat~~			~~3~~	~~00~~
7	Expense				16
8	" Durbana			1	50
9	" Epsom			1	25
10	" Raymond			1	75
"	Tobac				10
"	Bags			6	72
"	Rubbers			1	51
"	Bakery.				10
13	Bags				15
"	Rubber				60
"	Iron				25
"	Deckle & GB				10
"	Lost an C				50
15	F H W Co			19	92

CASH ACCOUNT. NOVEMBER.

Date.		Received.		Paid.	
	Bot-ford	23	34		
20	Bags				50
21	E. M. T. iron			6	00
"	Tobac				10
23	J. F. W.			10	50
24	Iron	20	00		
"	Tobac				10
"	Dinner				30
27	E M T bal				70
"	Haircut				25
"	Caps				50
"	Tobac				15
"	Postage				05
28	Tobac				55
"	Dinner				35
"	Incidentals				10
29	Bill heads			1	75
		43	34	21	90
		21	90		
		21	44		
		20	75		
			69		

CASH ACCOUNT. DECEMBER.

Date.		Received.		Paid.	
1	Cash on hand.	20	75		
"	Check from Newton	6	23		
2	Oranges			1	65
"	Rinks				24
"	Tobac				10
"	Dinner & Fare				50
5	" "				20
"	Stamps				50
"	Wine				5
8	Check from Seaman	24	62		
"	Fare				20
"	Candy & Tobac				35
9	Iron			3	96
"	Chocolate				20
11	Check Seaman	46	94		
"	Nail				65
"	Dinner				30
12	G. C. Healy			11	37
13	Tobac				10
"	Sweet Potatoes				25
"	Unaccounted for		45		
14	2 Bbls			2	25
"	Gloves				25
"	Dinner				25
"	Suspenders				85
"	Mending bags				32
15	H. B. Bijou			12	68
"	Bought			4	52
"	Mending				5
		98	99	41	29

CASH ACCOUNT. DECEMBER.

Date.		Received.		Paid.	
15	Bal. brot.	57	70		
19	Iron & Steel			1	00
"	Bags				25
"	Jobbe				20
21	Iron C.C.T.			4	25
"	Fare				64
"	Horse				25
"	Candy				25
"	Ele				19
22	Bolts			1	46
23	Seaman Bros	8	00		
"	Christmas			6	85
"	Fare & Expense				50
"	Cigs				15
"	Bolts			2	50
"	Iron J.P.S			1	75
26	" C.A.C			5	00
"	" J.H.J			1	85
"	" Dr L				80
"	" I.V.H.K			2	25
"	Bags				15
"	J.E.B. wages	29	50		
28	Seaman check	30	74		
"	Dam				20
"	Jobber				50
29	Christ-Party			1	20
30	Dancing School			5	00
31	H.P.S. bros			2	80
		125	94	38	84
				87	10

SUMMARY OF CASH ACCOUNT.

		Received.		Paid.	
JAN.	Dreamatic books pd			1	06
FEB.	Paid for				
	oron to date			64	36
MAR	Recd			136	71
APR.	Profit			72	35
MAY	Hoops			14	41
JUN.	net			57	94
JUL.	No of bbs 22622				
	Jan. 1, 1900				
AUG.					
	33.05				
SEP.	27.64				
	28.37				
	31.22				
OCT.	120.28				
	5.64				
	90				
NOV.	126.82				
	136.71				
DEC.	263.53				

BILLS PAYABLE. JUNE.

Date.	NAME.	Dolls.	Cts.

RECEIVABLE.

1	2 shades	Paid		50
12	Papering Hall	Paid	3	62

BILLS PAYABLE. SEPTEMBER.

Date.	NAME.	Dolls.	Cts.
	Dr. Colard 3 visits	1	50
	Paid		
	RECEIVABLE.		
1	Horse rake F.P.S. Pd	20	00
"	Freight on 20 cfs Pd	1	09
"	Sugar Pd	1	45
"	S G B Faucets Pd	4	00
8/19	1 day F P S	1	50
"	1/2 " "		75
8/18	1 " " Paid	4	00
"	Milk Trough		25
24	F P S 1 day	1	50
26	" "	1	50
31	" "	2	00
9/6	" "	1	50
9/7	" 1/2		75
		13	75
9/16	3/8" rale, pipe & labor	1	75

BILLS PAYABLE. NOVEMBER.

Date.	NAME.	Dolls.	Cts.
18	HBB 240 lbs	7	20
20	J F Williams 1700 Pd.	8	50
"	" " " vogon.	2	00
"	E. M. Tilton	6	00
	Due Tilton 70		Paid
22	HBB 840 lbs	2	52
23	" 1 axle	1	00
28	" 200 @ 1/2	1	00
27	" 728 @ .3	2	18

RECEIVABLE.

BILLS PAYABLE. DECEMBER.

Date.	NAME.	Dolls.	Cts.
14	Geo W. Smith mm Pd	1	00
19	C G Toppan Pd	4	40
"	F P S Pd	1	80
28	Mrs Chase Pd	8	00
"	F. P. S. Pd 7 00	2	80

RECEIVABLE.

MEMORANDA.

Date.		Dolls.	Cts.
5/16	Warren Plumer 75 Pd		
	Arm tes	1	00
7/10	Tobias Andrews lost		10
7/17	" Ed Paid		10
6/23	Harry, Pipe Paid	1	00
8/22	" "	2	00
8/28	" " 1/2		50
Oct 3	profit	13	79
	Sangers 45		
	Gemish 50		
	Hayes 1.00		
	Stockman 90		
	2.85	2	85
		10	94
Nov 7	Bags Perkins	5	50
		16	44
10	" Pd	6	72
		9	72
13	" " 15	9	57
20	" " 50	9	07
Dec 1	Mats Rio'd 6.23	15	30
09	Bags Pd 25	15	05
26	" " 15	14	90
Jan 17	Roberts bags 643	21	33
20	Pd bags 224	19	09
Feb 12	K Bleo check 32.97	52	06
21	Bags 90 Mats 50	50	66

Date.		Dolls.	Cts.

ADDRESSES.

NAME. H. & L. Chase
STREET, No. 233 State St.
CITY. Boston.

NAME. Howard & Co.
STREET, No. Rubber Stamps Mit.
CITY. Brockton, Mass.

NAME. Geo. D. Cummings
STREET, No. Congress St. near S. Depot
CITY. c/o Sumner & Goodwin Boston.

NAME. Fred Billings mit
STREET, No. Cor Lowell & Causeway
CITY. Boston.

NAME. Thomas Butler & Co
STREET, No. 249 Causeway St.
CITY. Boston, Mass.

NAME. D. M. Osborne & Co
STREET, No. 47 So Market
CITY. Boston, Mass

NAME. Kurtz Bag Co
STREET, No. 36 Front
CITY. New York

NAME. Alex. Roberts
STREET, No. 199 Essex
CITY. Haverhill, Mass.

NAME.
STREET, No.
CITY.

NAME.
STREET, No.
CITY.

NOTICE.

All Taxes assessed upon polls are due upon presentation of bill.

All Taxes assessed upon property are due after fourteen days' notice.

Tribune Publishing Co., Concord, N. H.

Hampton Fall, N. H., June 1st 1899.

To Arthur W. Brown

The Taxes assessed against you in the Town of Hampton Falls, for the year 1899, and committed to me for collection, are as follows:—

State, County, Town, School and Highway Taxes,	$2.25
Town School District Tax,	
Interest,	
Total,	$2.25

J. ELMER SANBORN, Collector.

Received Payment,

_____ *189* .

J. Elmer Sanborn *Collector.*

By virtue of State Law, 10 per cent. interest will be collected after Dec. 1st, 1899.

WANTED.

GIRL—Wanted, for general housework. Apply to L. J. SNOW, corner Congress and Olive streets. City.

GIRLS—Wanted, to learn to make babys

fashion sheet===we've
e showing of spring

LIVE AND LET LIVE. ESTABLISHED 1864.

Portsmouth, N. H., _____ 189

E. NEWTON & CO.

WHOLESALE DEALERS IN ALL KINDS OF

FRESH AND SALT FISH.

LOBSTERS A SPECIALTY.

ELVIN NEWTON,
SHERMAN T. NEWTON.

Commercial Wharf.

Bought of Sch. G. N. Brown,

72 Mats a 3 2.16
56 Bagging " 2 1.12
59 " " 5 2.95
6.23

Paid
Dec 1st/99

S 37 8 17 9-J-8 M.

Hampton Falls (Town) N.H. (State) 7/20 (Date)

BOSTON, MASS. 190 0

Received from A W Brown

notes to the amount of Eighty five 50/100 DOLLARS,

under terms of contract for 1

D. M. OSBORNE & CO.

$ 85.50

By E J Wilson

1 E foot Mower 38.00

1 E foot Feeder 26.00

1 8/30 Rake 18.00

1/10 of 15-ton Rb 7.50

Hanover